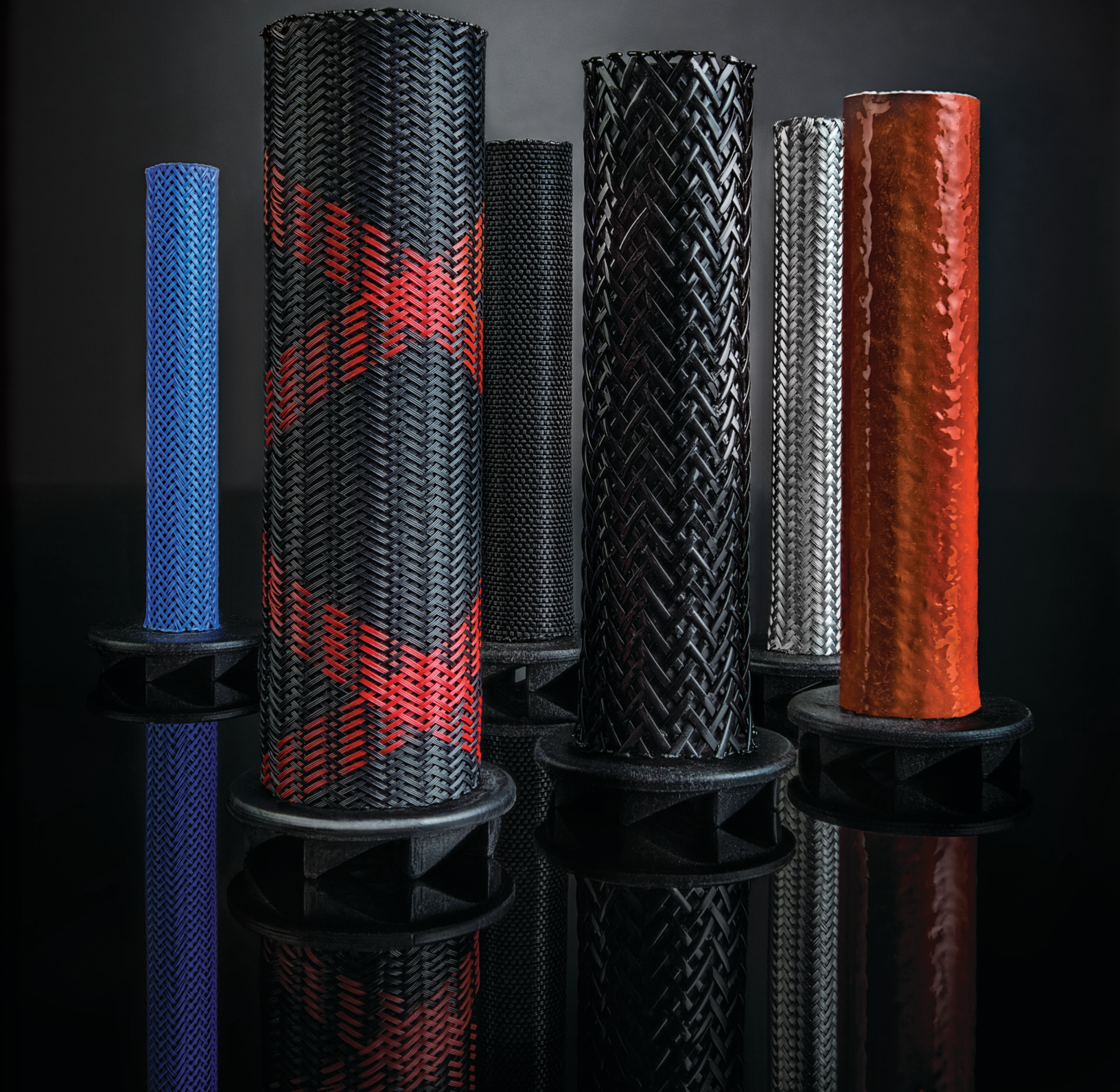
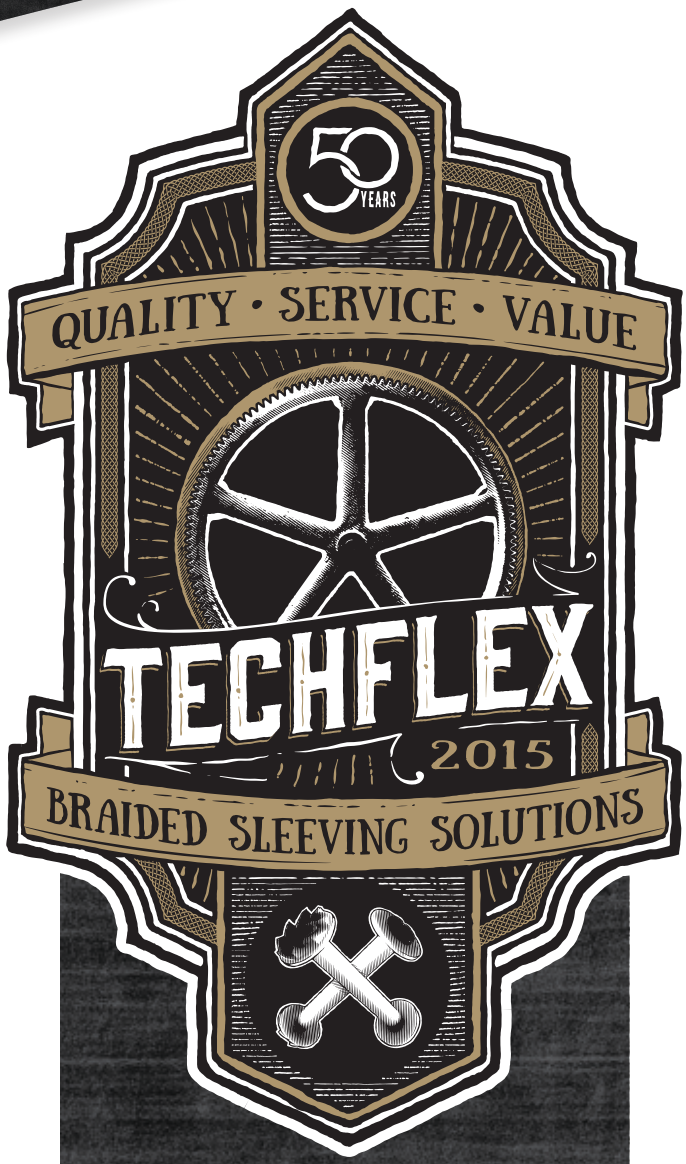
TECHFLEX®

Braided Sleeving ~~Products~~ Solutions




FLEXO PET
POLYOLEFIN
SHRINKflex
SHRINKTUBING
InsulTHERM
HEAVY-DUTY
PART GUARD
FLEXO TIGHTWEAVE
FLEXO REMIX


FLEXO
BRASS
FLEXO
NOISE REDUCTION
THERMA SHIELD
CONVOLUTED
FLEXO
PRISMIX
LIQUID WRAP
CARBON FIBER
ARAMID ARMOR



FOR OVER 50 YEARS...

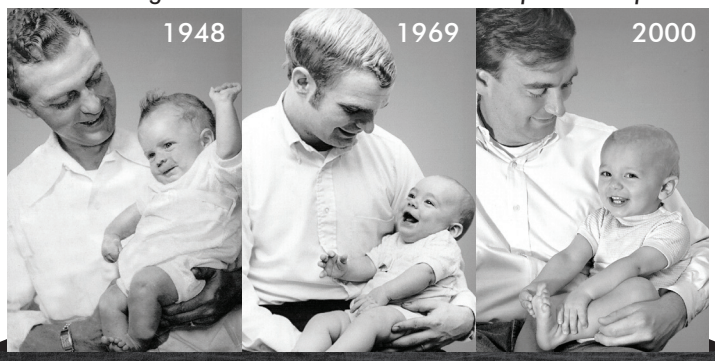
The Techflex® family has worked hard to bring us from our humble beginnings to the world-class supplier that we are today. We recognize that all of our efforts can only bring us so far, and it is the support from you, our customers, that completes this cycle.

THANK YOU!

Bill 3

Bill 4

3 generations of customer service & product expertise



HERITAGE

Since 1965, the Dermody family, founders and operators of TECHFLEX®, have been engineering and manufacturing a wide range of braided sleeving products for a variety of industries from biomedical and aerospace to wire, hose, and cable bundling and protection solutions for hot rod enthusiasts. Our experience with this broad market, as well as our wide selection of general purpose and high-tech specialty products, has made TECHFLEX® the first name in braided sleeving solutions.

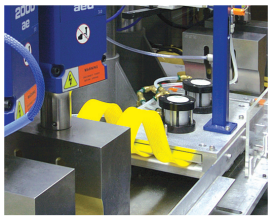
SERVICE

We are organized and staffed to provide our customers with the finest products and account support possible. Our account personnel are continuously trained in both technical aspects and application possibilities of our entire line of products.



Through the use of our ISO 9001 certified management system, total product quality is maintained throughout the entire organization, from initial product design through final shipment and account management.

CUSTOMIZATION



We are completely in-house equipped to fabricate our products into virtually any size or shape, for any application. Services include high speed digital cutting and counting, printing, customized kitting, and private labeling programs.

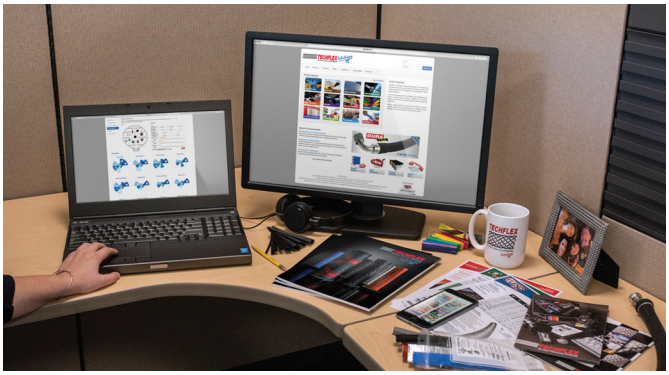
We will fabricate custom material and color combinations to tight specifications. We have facilities for multi-step processing such as flattening, rounding, ultrasonic cutting, and welding. Our custom services can help you realize your design and application goals.

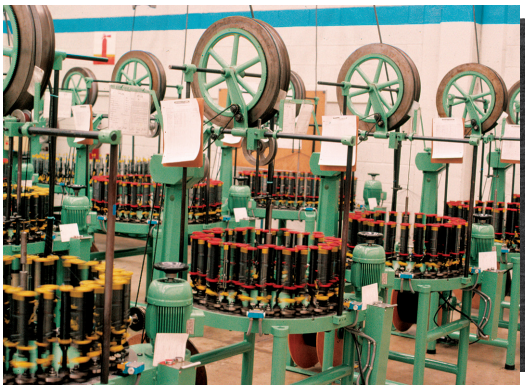


QUALITY • SERVICE • VALUE

PRODUCT ACCESS...SIMPLIFIED

Product information when and where you need it.
This catalog is only the tip of the iceberg when it comes to the commitment Techflex® has to providing the most comprehensive information to our customers. Great project solutions start with simple access to high quality data about the materials under consideration. World wide availability of high level product knowledge sets Techflex® apart from other protection system companies. Our web & B2B infrastructure, our spec & data sheets, and our catalogs provide expert guidance for novice to advanced sleeving users and specifiers.





INNOVATION

It begins with the most varied and complete range of braided sleeving products in the industry and continues with a corporate culture of customer fulfillment and satisfaction. If your application calls for braided sleeving, and the job needs to be done right, Techflex® can do it!

Aggressive new product development programs, combined with a management team dedicated to directly targeting the needs of a constantly evolving market, result in a wide range of exciting products that will fully meet your needs for economical and durable sleeving solutions.

PRODUCT CONTROL

Techflex® sets the industry standard for the continuous tracking of products, from their earliest manufacturing steps through final delivery to customers at any volume level. Managed receiving of inventory, automatic lot and spool tracing, originator documentation, and constant quality testing and detailed records ensure that included products will perform as indicated and will meet the specific needs of all of our customers.

These systems, along with our program of product reliability assurance means that our customers can remain confident that any Techflex® product will not only meet industry standards, but may vastly exceed them in many instances.

In-house test lab



SYSTEM CERTIFICATION ISO 9001 SGS
Cert. # US04/3598

CageCode Verification# 0J8E6

RoHS Compliant

REACH COMPLIANCE

FAR-25 Federal Aviation Regulation 25

www.techflex.com/recycle

ABYC American Boat & Yacht Council

MAC Major Aircraft Specified

CSA

MSHA Mine Safety & Health Administration

FMVSS Federal Motor Vehicle Safety Standard

MIL-SPEC MILITARY SPECIFIED

ASTM INTERNATIONAL Standards Worldwide

SEMA MEMBER

BBB

UL

7 REASONS TO USE FLEXO® EXPANDABLE SLEEVING

FAST INSTALLATION
Unlike other techniques for cable management, expandable sleeving goes on fast and is able to go over connectors up to 3 times the size of the finished harness.

LONG LENGTH CAPABILITY
The unique characteristics of FLEXO® expandable sleeving allow it to easily slide over cable installations as long as 1,000'. No pulling or fishing required.

EXTREME FLEXIBILITY
Unlike stiff plastic coverings, harnesses built with expandable sleeving can be tightly coiled, curved around obstructions, and routed to their destination more easily. FLEXO® sleeving easily conforms to your desired shape.

REDUCED VOLUME
FLEXO® sleeving provides needed abrasion protection without adding unnecessary bulk or dimension to harnesses and cables. This helps in routing wiring through tight spaces.

LIGHT WEIGHT
Expandable sleeving is very light when compared to other harness materials. This weight reduction can add up to considerable savings when used on large and small projects.

QUICK DISSIPATION OF MOISTURE
This feature of expandable sleeving is useful in rugged applications where soaking and wash downs are common. Unlike sealed tubular products, FLEXO® sleeving doesn't trap moisture, grease, or oils which can harm wire jacketing.

UNBEATABLE GREAT LOOKS
We're convinced that no product looks as good on a harness as FLEXO® expandable sleeving. This, combined with all of the other factors, add up to an easy conclusion...

FLEXO® IS THE RIGHT CHOICE.





GENERAL PURPOSE

For general bundling & protection in office, commercial, & industrial applications, these products offer economical & varied solutions.

HEAVY DUTY

For applications where protection from abrasion damage is a primary concern, this line of Techflex® products is the right solution for rugged, challenging environments.

METAL / SHIELDING

EMI, RFI, & ESD shielding solutions

ADVANCED ENGINEERING

Engineered from specialized polymers, designed to exact specifications, & manufactured to tight tolerances, these premium products are in use in many aerospace, military, & biomedical applications.

EXTREME TEMPERATURE

Designed for protection from high temperature environments where failure would be catastrophic, these products are state-of-the-art in high-temp material engineering.

SPECIALTY

Techflex® specializes in providing highly engineered, application specific products to fulfill our customers' individual specifications.

Flexo® PET....6-7
Flexo PET Plus....8
Overexpanded & Tight Weave....10
ReMix & PrisMix....11
F6®....12-13
F360....13
F6® Woven Wrap....14
Clean Cut®....15
Flexo® Wrap....16
GripWrap®....17
Heavy Wall....18
Flexo® Super Duty....19
Gorilla Sleeve....20
Rodent Resistant....21
Clean Cut® HD....22
OVR Braid....23
Dura Flex....24
Dura Wrap....25
F6® Heavy....26
Battle Braid....27
Dura Braid....28
Dura Flex Pro....29
Turtle Wrap....30
Gator Wrap®....31
Tinned Copper....32
Tinned Copper Flat....33
Flexo® Silver Plated....34
Flexo® Brass & Flexo Copper....35
Flexo® Stainless Steel....36
Flexo® Stainless Steel XC....37
Flexo® Shield....38
Flexo® Anti-Stat....39
Clean Cut® FR....40
Flexo® FR....41
F6® Woven Wrap FR....42
F6® FR....43
Flexo® Wrap FR....44
Tight Weave 9 Mil FR....45
Flexo® Halar®....46
Flexo® PFA....47
Flexo® PPS....48
Flexo® PEEK....49
Helix2....50
Ultimate FR....51
Flexo® NX....52
F6® Nomex®....53
Aramid Armor....54
Aramid Flexo® KV & Vectran Fiber....55
Insultherm®....56
Insultherm® Heavy Duty....57
Insultherm® Tru-Fit®....58
Insultherm® Ultra Flex®....59
Spark Plug Boots....60
Spark Plug Boots SI & Ultra Flex® Pro....61
Header Wrap & Wrap SI....62
Volcano Wrap....63
ThermaShield®....64-65
ThermaShield® T6®....66
Connector Shield & ThermaShield® Tape....67
Silica....68
Weld Wrap®....69
FireFlex®....70
FireFlex® Aero....71
FireFlex® Wrap & FireFlex® Flat....72
FireFlex® Snap Wrap....73
Volcano Sleeve....74
Volcano Exhaust Sleeve....75
Silver & Gold Foil....77
Dragon Blanket®....78
Dragon Sleeve® & Dragon Arm....79
L6 Liquid Wrap....80
F6® Flat....81
Nylon Monofilament....82
Nylon Multifilament....83
F6® Reflex® & Reflex®....84
Flexo® Noise Reduction & F6® Quiet....85
Studio Key Wrap....86
Flexo® Mounting System....87
Dura HVAC Wrap....88
Dura Race....90
Non-Skid....91
Flexo® Mylar®....92
Chrome & Chrome XC....93
Flexo® 6 Mil & Flexo® Thin....94
Carbon Fiber....95
Electrical Insulation....96-99
Shrink Tubing....100-113
Terminations & Bundling....114-121

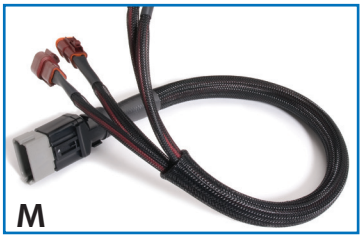
- ***Economical and Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Resists Gasoline, Engine Chemicals, & Cleaning Solvents***
- ***FMVSS 302 Approved***

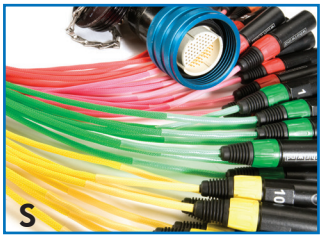
A Versatile Bundling & Protection Solution

The FLEXO® PET (PTN) grade is used in electronics, automotive, marine, and industrial wire harnessing applications where cost efficiency and durability are critical. The unique braided construction and wide expandability allows quick and easy installation over large connectors and long runs. PTN can be found in applications ranging from small office/home office to high tech wire and cable harnesses. The wide range of available colors and sizes allows easy and systematic color coding in complex wiring and cabling installations. PTN is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns.

The Widest Range of Sizes in The Industry





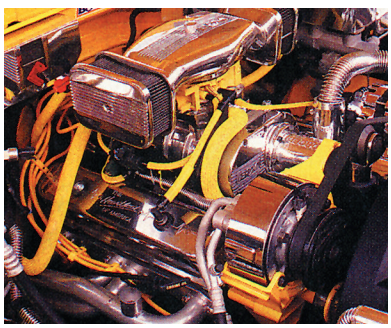




When cut with a hot knife, the sealed ends of Flexo® PET allow for varied termination solutions.



Flexo® PET installs quickly in production harnessing environments, reducing assembly cost.



High thermal and chemical resistance and wide color/size selection make Flexo® PET ideal for customizing and protecting the wires, hoses, and cables in custom and classic cars.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/16″	PTN0.06	3/64″	3/32″	1,000′	250′	more than 40 (check for availability)	0.22
1/8″	PTN0.13	3/32″	1/4″	1,000′	225′		0.20
1/4″	PTN0.25	1/8″	7/16″	1,000′	200′		0.30
5/16″	PTN0.31	5/32″	15/32″	500′	150′		0.50
3/8″	PTN0.38	3/16″	1/2″	500′	125′		0.57
7/16″	PTN0.44	7/32″	5/8″	500′	125′		0.68
1/2″	PTN0.50	1/4″	3/4″	500′	100′		0.77
9/16″	PTN0.56	5/16″	7/8″	500′	100′		0.81
5/8″	PTN0.63	3/8″	1″	500′	100′		0.95
3/4″	PTN0.75	1/2″	1 1/4″	250′	75′		1.20
1″	PTN1.00	5/8″	1 5/8″	250′	65′		1.34
1 1/4″	PTN1.25	3/4″	1 3/4″	250′	50′		1.60
1 1/2″	PTN1.50	1″	2 1/8″	200′	40′		1.96
1 3/4″	PTN1.75	1 1/4″	2 3/4″	200′	30′		2.45
2″	PTN2.00	1 1/2″	3 1/2″	200′	50′		2.60
2 1/2″	PTN2.50	1 3/4″	3 5/8″	200′	50′		3.80
3″	PTN3.00	2 1/2″	4 3/4″	100′	50′		3.80
3 End Construction							
1/4″	PT30.25	1/8″	3/8″	1,000′	200′	BK, CL, NB & RE	0.39
4 End Construction							
1/8″	PT40.13BK	1/16″	5/32″	1,000′	200′	Black (BK)	0.30
9 Mil Construction							
4″	PT94.00BK	4″	6 1/2″	100′	50′	Black (BK)	3.80
PET Lean							
3/4″	PTL0.75BK	1/2″	1 1/4″	250′	75′	Black (BK)	1.04
1 1/4″	PTL1.25BK	3/4″	1 3/4″	250′	50′	Black (BK)	1.19

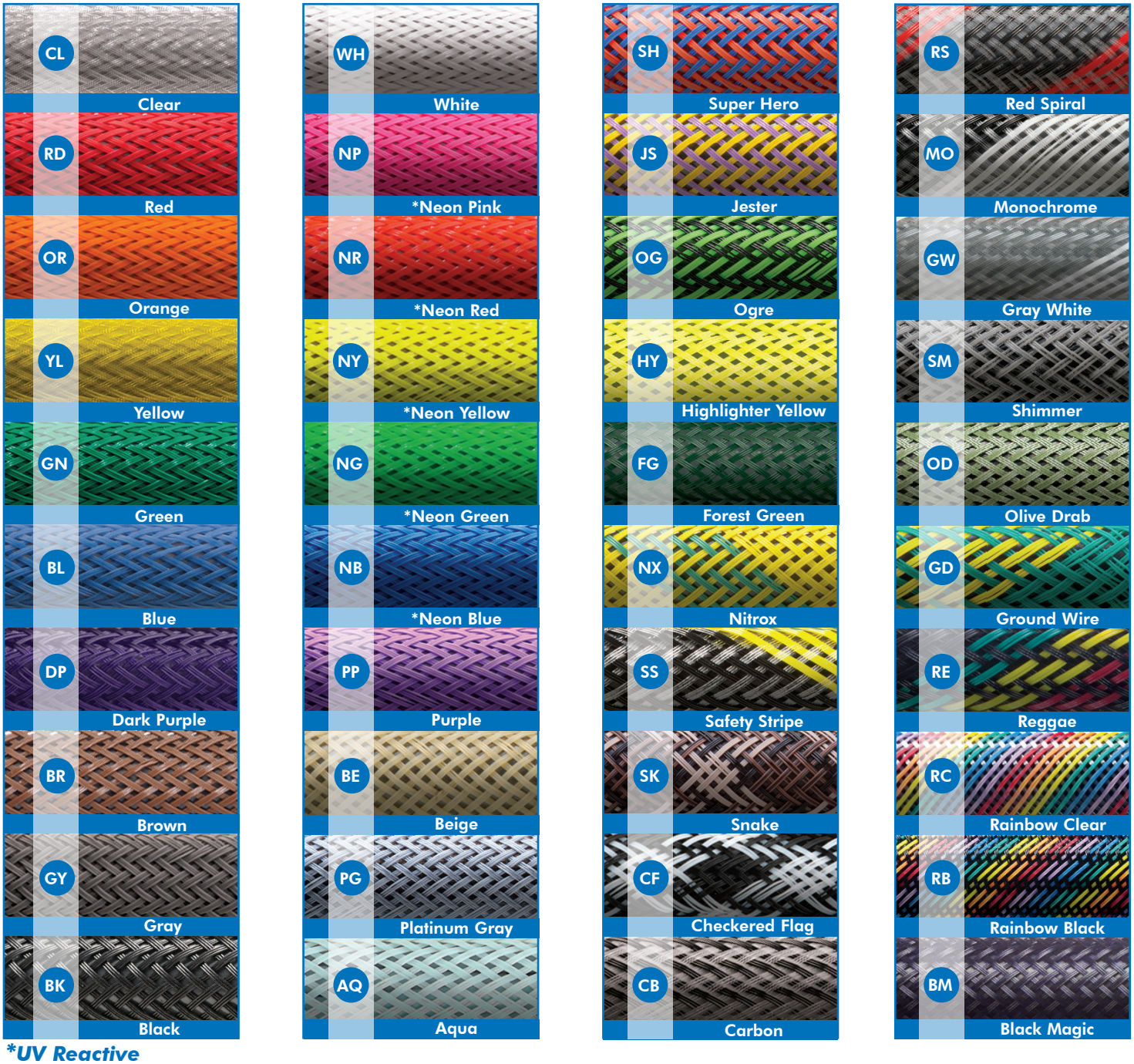
1 (833) SLEEVING
www.techflex.com

ABYC FAR-25

The Widest Range Of Colors In The Industry



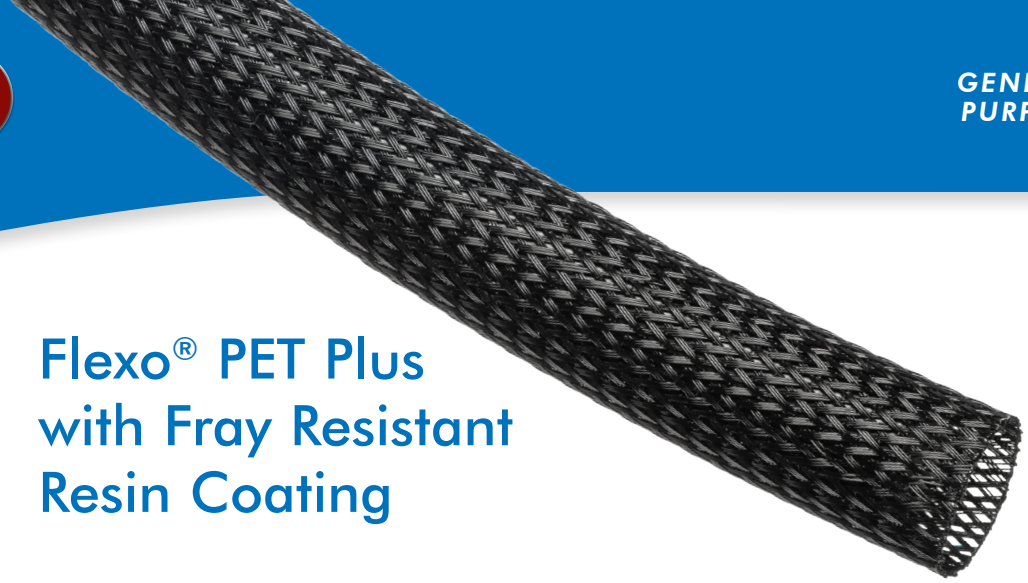
Techflex® offers Flexo® PET in the widest range of standard colors in the industry, including UV reactive and multicolor spirals. Additionally, we can manufacture Flexo® PET in custom solid or spiral combinations.



***UV Reactive**

Also contact an account representative for relevant details regarding custom orders. See the web for the complete list of colors.

1 (833) SLEEVING
www.techflex.com

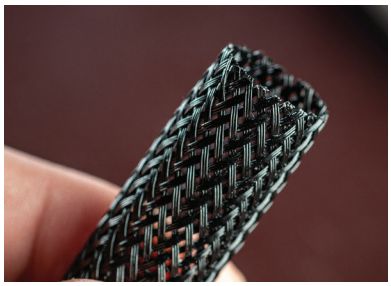


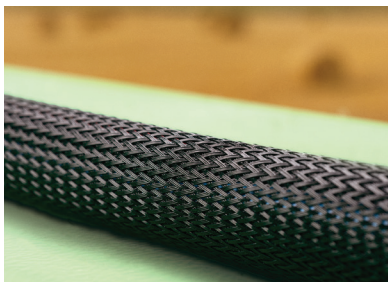
- ***Specialized Lightweight Resin Coating***
- ***Will Not Fray When Cut With Scissors***
- ***Expands Up To 150%***
- ***Versatility Of Installation***
- ***High Abrasion Resistance***

Flexo® PET Plus with Fray Resistant Resin Coating

The FLEXO® PET PLUS (PTP) has all the qualities of our legendary Flexo® PET, plus a highly specialized, fray-resistant resin coating that facilitates easy cutting with scissors. Flexo® PET Plus is an elegant and economical choice for projects that call for versatility of installation and for situations where access to a hot knife is impossible.

It cuts easily and cleanly with ordinary scissors. In addition, Flexo® PET Plus has a wide operating temperature range and is resistant to chemical degradation, UV radiation, and abrasion.

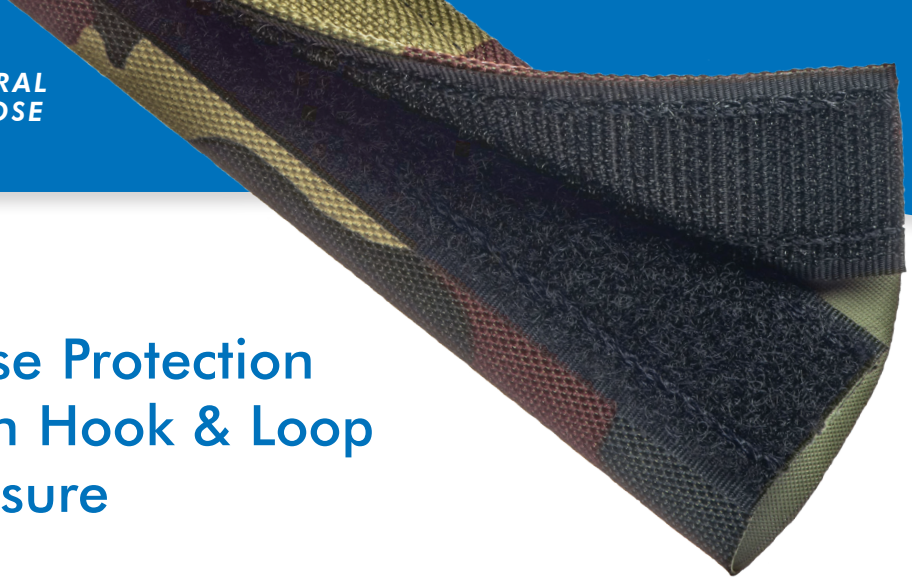








Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	PTP0.13BK	1/16″	1/4″	1,000′	225′	Black (BK)	0.2
1/4″	PTP0.25BK	1/8″	3/8″	1,000′	200′	Black (BK)	0.3
3/8″	PTP0.38BK	3/16″	5/8″	500′	125′	Black (BK)	0.6
1/2″	PTP0.50BK	1/4″	3/4″	500′	100′	Black (BK)	0.8
5/8″	PTP0.63BK	3/8″	1 1/8″	500′	100′	Black (BK)	0.9
3/4″	PTP0.75BK	1/2″	1 1/4″	250′	75′	Black (BK)	1.2
1″	PTP1.00BK	5/8″	1 3/8″	250′	65′	Black (BK)	1.4
1 1/4″	PTP1.25BK	3/4″	1 1/2″	250′	50′	Black (BK)	1.6
1 1/2″	PTP1.50BK	1″	1 3/4″	200′	40′	Black (BK)	2.5
1 3/4″	PTP1.75BK	1 1/4″	2 3/4″	200′	30′	Black (BK)	2.7
2″	PTP2.00BK	1 1/2″	3 1/2″	200′	50′	Black (BK)	2.8



Hose Protection with Hook & Loop Closure

- ***Polyester Construction***
- ***Heavy Duty, Oversized Hook And Loop Closure***
- ***Repels Liquids***
- ***Temperature Range -60°F to 200°F***
- ***Melt Temp. 410°F***
- ***Resists And Prevents Damage From UV, Abrasion, Gasoline, Engine Chemicals And Salt Water***

VersaWraptor® Wrap (PWN) is the answer to organizing and controlling wires, cables and hoses that are subjected to constant use.
The flexible sleeve is made from polyester with an aggressive, industrial strength hook and loop closure.

VersaWraptor® Wrap is used on wires to keep them together, on hoses and cables to prevent abrasion damage and on chains to keep them from ruining expensive finished surfaces. PWN is extremely flexible and easy to install over single or multiple hoses.

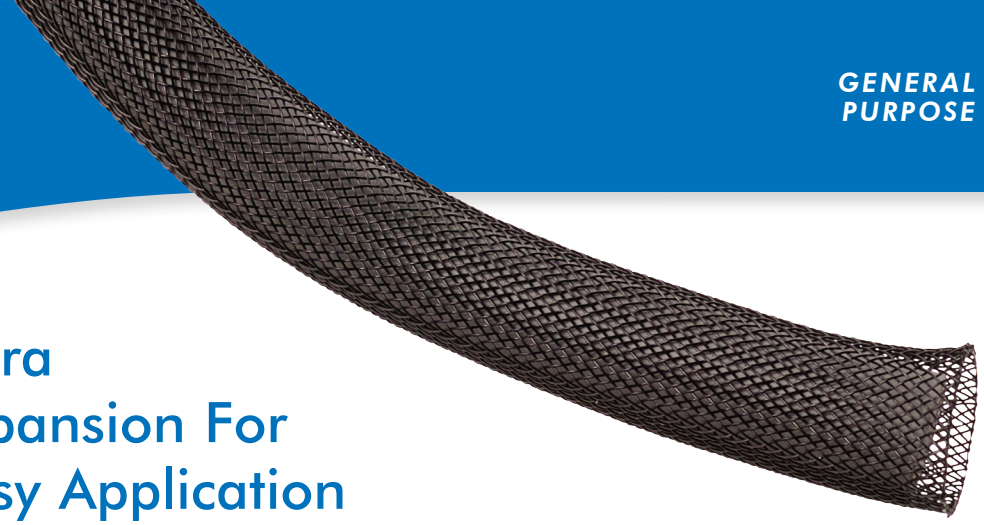




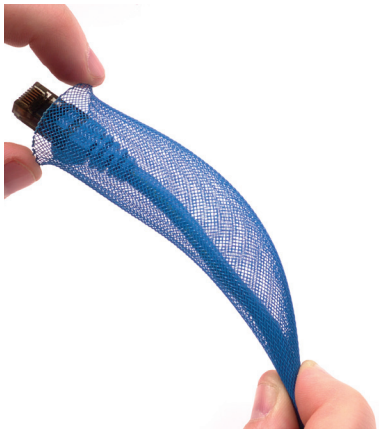
Nominal Size	Part #	Wall Thickness	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1″	PWN1.00	.025″	1″	150′	25′	BK, WC, OR	5.1
1 1/2″	PWN1.50	.025″	1″	150′	25′	BK, WC, OR	6.7
2″	PWN2.00	.025″	1 1/2″	150′	25′	BK, WC, OR	7.9
2 1/2″	PWN2.50	.025″	1 1/2″	150′	25′	BK, WC, OR	9.1
3″	PWN3.00	.025″	1 1/2″	150′	25′	BK, WC, OR	11.1
3 1/2	PWN3.50	.025″	1 1/2″	150′	25′	BK, WC, OR	12.3
4″	PWN4.00	.025″	1 1/2″	150′	25′	BK, WC, OR	13.7
4 1/2″	PWN4.50	.025″	1 1/2″	150′	25′	BK, WC, OR	15.1
6″	PWN6.00	.025″	1 1/2″	150′	25′	BK, WC, OR	18.9
8″	PWN8.00	.025″	1 1/2″	50′	25′	BK, WC, OR	24.7



FLEXO OVER EXPANDED™

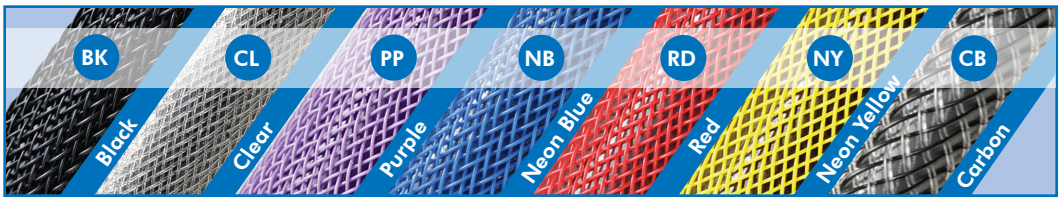


- *Expands up to 200%*
- *Cut and Abrasion Resistant*
- *Halogen Free*
- *FMVSS 302 Approval*
- *Cuts Easily with Scissors or a Hot Knife*



Extra Expansion For Easy Application

FLEXO® PET OVEREXPANDED (PTO) has many uses where inexpensive bundling is the principal consideration. Opens nearly 4-to-1 making it very easy to apply.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	PTO0.25BK	1/8″	1/2″	1,000′	200′	BK	0.24
5/16″	PTO0.31BK	1/4″	7/8″	500′	150′	BK	0.40
3/8″	PTO0.38	3/16″	1″	500′	125′	BK,CL,PP,NB,RD,NY,CB	0.52
1/2″	PTO0.50	7/16″	1 3/8″	500′	100′	CL & BK	0.63
3/4″	PTO0.75BK	1/2″	1 3/4″	250′	75′	BK	1.10

FLEXO TIGHTWEAVE





Extra Coverage

TIGHT WEAVE (PTT) is designed for use in applications where optimum coverage and abrasion resistance is required. The tight braid construction increases the coverage, wear factor, and improves harness security.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	PTT0.13	1/16″	1/4″	1,000′	225′	BNR,BNB,BNO,BNY,BK	0.29
1/4″	PTT0.25	11/64″	11/32″	1,000′	200′	BNR,BNB,BNO,BNY,BK	0.36
5/16″	PTT0.31	1/4″	3/8″	1,000′	200′	BNR,BNB,BNO,BNY,BK	0.58
1/2″	PTT0.50	11/32″	5/8″	500′	100′	BNR,BNB,BNO,BNY,BK	0.84
3/4″	PTT0.75	1/2″	13/16″	250′	75′	BNR,BNB,BNO,BNY,BK	1.10
1″	PTT1.00	5/8″	1 1/8″	250′	65′	BNR,BNB,BNO,BNY,BK	1.23
1 1/4″	PTT1.25	1″	1 11/16″	250′	50′	BNR,BNB,BNO,BNY,BK	1.30
1 1/2″	PTT1.50	1 1/8″	2″	200′	40′	BNR,BNB,BNO,BNY,BK	1.95
1 3/4″	PTT1.75	1 1/2″	2 5/8″	200′	30′	BNR,BNB,BNO,BNY,BK	2.60
2″	PTT2.00	1 3/4″	3 1/8″	200′	50′	BNR,BNB,BNO,BNY,BK	3.43
2 1/2″	PTT2.50	2″	3 1/2″	100′	50′	BNR,BNB,BNO,BNY,BK	3.60

FLEXO REMIX

Flexo PET ReMix® - New, Random Construction



Our innovative construction process produces a unique visual effect while providing fuller coverage and enhanced protection. The same PET monofilaments we use for the FLEXO® PET grade sleeving come alive in these new color combinations. Use Denim, Fire, Camo, Desert Camo, & Jungle to add pizzazz to any place you use sleeving.

FLEXO® PET REMIX® (PTM) is braided from 10 mil polyethylene terephthalate (PET) monofilament yarns. The material has a wide operating temperature range, resists chemical degradation, UV damage, and abrasion.

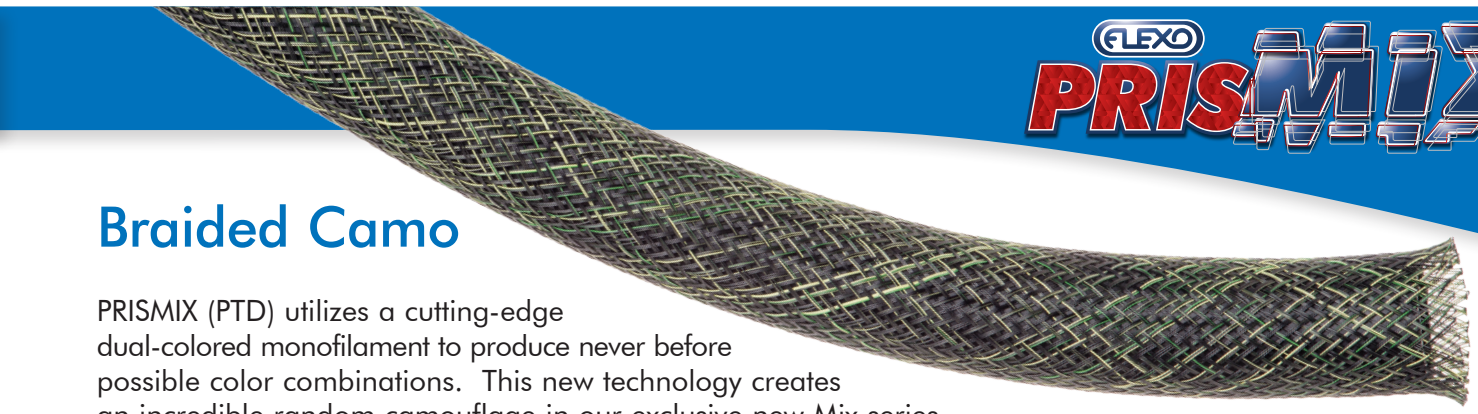
Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
3/8″	PTM0.38	1/4″	7/16″	500′	125′	DE, FI, CA, DC, JU	0.49
1/2″	PTM0.50	3/8″	5/8″	500′	100′	DE, FI, CA, DC, JU	0.74
3/4″	PTM0.75	5/8″	1 3/16″	250′	75′	DE, FI, CA, DC, JU	0.99
1″	PTM1.00	7/8″	1 1/4″	250′	65′	DE, FI, CA, DC, JU	1.32
1 1/4″	PTM1.25	1 1/8″	1 3/4″	250′	65′	DE, FI, CA, DC, JU	1.32
1 1/2″	PTM1.50	1 3/8″	2 3/8″	200′	40′	DE, FI, CA, DC, JU	1.96

• ***Expands up to 150%***



FLEXO PRISMIX

Braided Camo

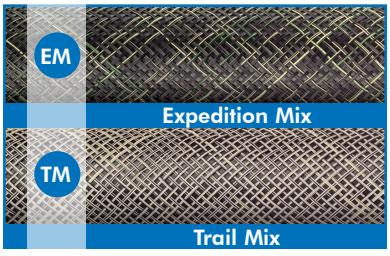


PRISMIX (PTD) utilizes a cutting-edge dual-colored monofilament to produce never before possible color combinations. This new technology creates an incredible random camouflage in our exclusive new Mix series of products. Be sure to utilize PrisMix on your next adventure for the best braided camo you have ever seen! (or not seen)

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	PTD0.13	3/32″	1/4″	1,000′	′	EM & TM	0.20
1/4″	PTD0.25	1/8″	7/16″	1,000′	200′	EM & TM	0.30
3/8″	PTD0.38	3/16″	1/2″	500′	125′	EM & TM	0.57
1/2″	PTD0.50	1/4″	3/4″	500′	100′	EM & TM	0.77
5/8″	PTD0.63	3/8″	1″	500′	100′	EM & TM	0.95
3/4″	PTD0.75	1/2″	1 1/4″	250′	75′	EM & TM	1.20
1″	PTD1.00	5/8″	1 5/8″	250′	65′	EM & TM	1.34
1 1/4″	PTD1.25	3/4″	1 3/4″	250′	50′	EM & TM	1.60
1 1/2″	PTD1.50	1″	2 1/8″	200′	40′	EM & TM	1.96
1 3/4″	PTD1.75	1 1/4″	2 3/4″	200′	30′	EM & TM	2.45

• ***Dual-Colored Monofilament***





RoHS Compliant FAR-25 ABYC

1 (833) SLEEVING
www.techflex.com

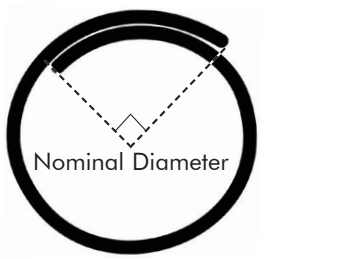


- ***Easy, Cost Effective Installation***
- ***More Flexible than Split Convoluted or Spiral Wrap***
- ***25% Edge Overlap***
- ***Retains Shape & Rigidity Throughout -94°F to 257°F Temp. Range***
- ***Melt Temp 482°F***

Flexible, Semi-Rigid Wrappable Split Braided Tube

FLEXO® F6's® (F6N) unique split, semi-rigid braided construction makes it the ideal solution for situations where ease of installation is of primary importance. The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements, while the the semi-rigid braid configuration simply closes around the entire installation without the need for any additional fasteners (Velcro, tape, etc.). The 10 mil PET braid is lightweight, quiet, and flexible. The 25% edge overlap (at nominal diameter) allows for coverage around inline plugs, connectors, and splices.

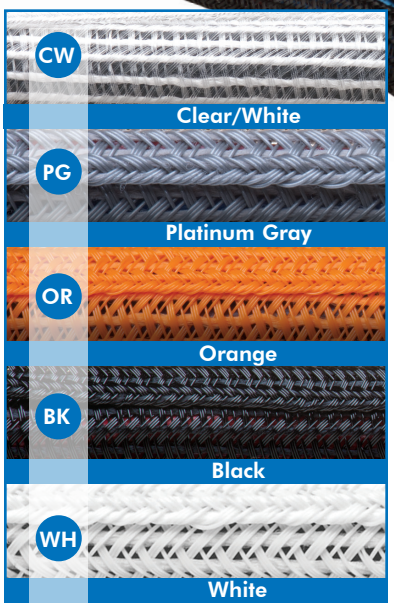
F6N will bend to a tight radius without distorting or splitting open, and unlike full rigid tubing, will not impair or affect the flexibility of harnesses. F6® allows for addition or removal of wires without disassembly.

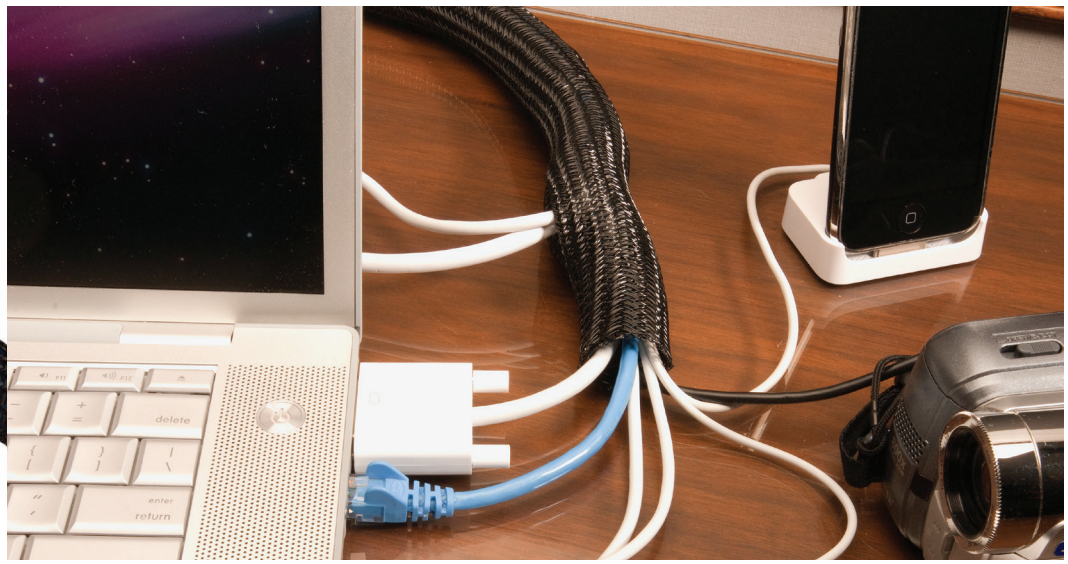


The large overlap allows easy installation over splices and inline connectors without exposing wires and cables.



F6® Installation Tool
This simple tool makes installing long lengths of F6® sleeving a breeze. See part numbers on page 118.





Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Lbs/ 100′
			Bulk Box	Box A	Box B		
1/8″	F6N0.13	.024″	8,000′	400′	100′	CW, PG, OR, BK	0.47
1/4″	F6N0.25	.025″	3,000′	200′	100′	CW, PG, OR, BK, WH	0.60
3/8″	F6N0.38	.025″	1,500′	150′	75′	CW, PG, OR, BK, WH	1.20
1/2″	F6N0.50	.025″	1,200′	150′	75′	CW, PG, OR, BK, WH	1.40
3/4″	F6N0.75	.025″	500′	100′	50′	CW, PG, OR, BK, WH	1.60
1″	F6N1.00	.038″	400′	100′	50′	CW, PG, OR, BK, WH	2.00
1 1/4″	F6N1.25	.038″	250′	75′	25′	CW, PG, OR, BK, WH	2.40
1 1/2″	F6N1.50	.038″	250′	75′	25′	CW, PG, OR, BK, WH	2.70
2″	F6N2.00	.038″	200′	50′	25′	CW, PG, OR, BK, WH	3.60





F6® is available in self-dispensing boxes.



360° of Complete Coverage of Flexible, Semi-Rigid Braided Conduit

F360° is an innovative conduit designed to encase your wires with a flexible structure. F360's circular shape is lightweight yet extremely strong. Utilizing our now famous F6® style triaxial braid technology, this new design will solve situations that need additional security and tamper resistance. The full 360° degree enclosure makes a sturdy wire duct while still remaining breathable and light. Feeding wires through F360° is easy due to the ridged design.

Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Lbs/ 100′
			Bulk Box	Box A	Box B		
3/8″	F360.38BK	.028″	1,500′	150′	75′	Black (BK)	0.83
1/2″	F360.50BK	.028″	1,200′	150′	75′	Black (BK)	1.14
3/4″	F360.75BK	.028″	500′	100′	50′	Black (BK)	1.53
1″	F3601.00BK	.028″	400′	100′	50′	Black (BK)	1.67
1 1/4″	F3601.25BK	.028″	250′	75′	25′	Black (BK)	2.26
1 3/8″	F3601.38BK	.028″	200′	75′	25′	Black (BK)	2.48
1 1/2″	F3601.50BK	.040″	200′	75′	25′	Black (BK)	3.90
2″	F3602.00BK	.040″	100′	50′	25′	Black (BK)	5.37

- ***Soft and Quiet in High Vibration Uses***
- ***Cut and Abrasion Resistant***
- ***Halogen Free***
- ***Chemically Inert***
- ***Retains Shape & Rigidity Throughout -94°F to 257°F Temp. Range***

RoHS 2002/95/EC Compliant FAR-25 ABYC



1 (833) SLEEVING
www.techflex.com

- ***High Coverage***
- ***Easy, Cost Effective Installation***
- ***More Flexible than Split Convoluted or Spiral Wrap***

Woven, Split Tubular Harness Wrap

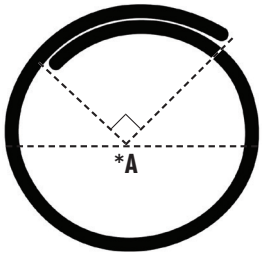


F6® WOVEN WRAP (F6W) has been engineered from the ground up to meet the demanding specifications of today's modern wiring harness industry.

F6® Woven utilizes many of the same characteristics as our original F6® split braided sleeving including the easy wrap around design and the extra overlap to ensure complete protection of important electronic, communication, and power systems. This design allows for easy installation over components without the need for time consuming and costly disassembly.

By utilizing a unique blend of monofilament and multifilament polyester fibers, the new woven construction provides superior elastic flexibility with unbeatable coverage over any harness assembly. Wire harness professionals will also appreciate the increased abrasion resistance F6® Woven will provide to their cable assemblies.

The Right Overlap For Your Harness



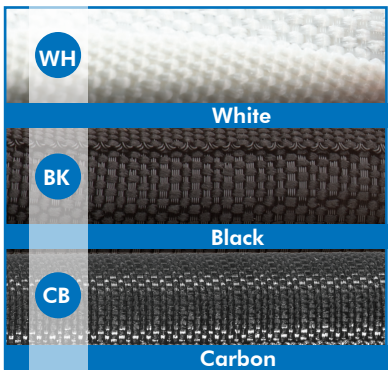
The engineered overlap allows ideal flexibility without exposing wires and cables.



With 12 standard sizes, Techflex® F6® Woven Wrap will be a great fit on your next wire harness project.

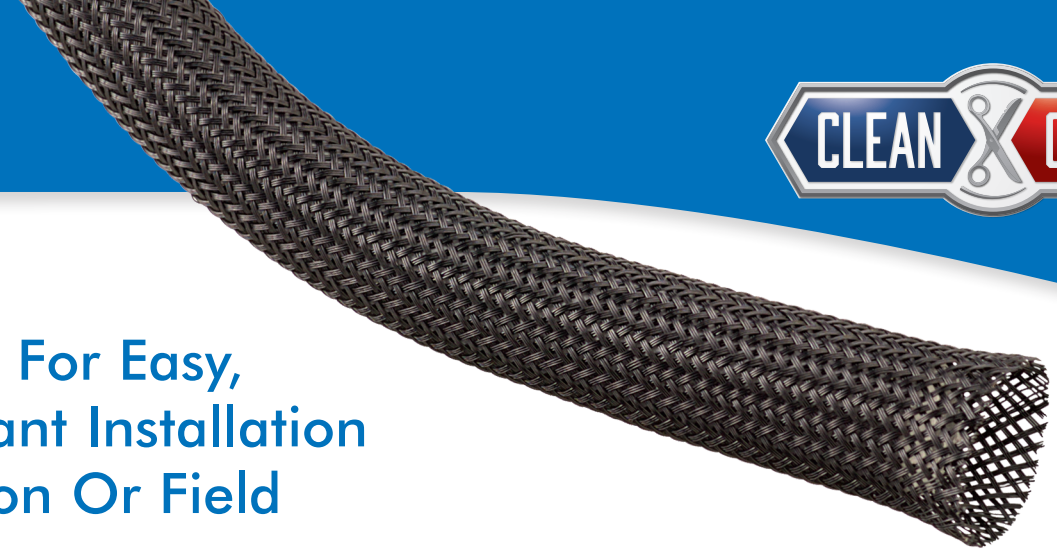


The Perfect Fit, Every Time



Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Overlap *A	Lbs/ 100′
			Bulk	A	B			
1/8″	F6W0.13	.027″	1,800′	900′	300′	WH, BK, CB	40%	0.57
3/16″	F6W0.19	.027″	1,200′	600′	200′	WH, BK, CB	51%	0.98
1/4″	F6W0.25	.027″	925′	450′	200′	WH, BK, CB	44%	1.10
5/16″	F6W0.31	.027″	650′	325′	125′	WH, BK, CB	40%	1.30
3/8″	F6W0.38	.027″	450′	225′	100′	WH, BK, CB	41%	1.50
1/2″	F6W0.50	.027″	300′	150′	75′	WH, BK, CB	35%	1.80
5/8″	F6W0.63	.027″	250′	125′	75′	WH, BK, CB	30%	2.10
3/4″	F6W0.75	.027″	150′	100′	50′	WH, BK, CB	28%	2.40
1″	F6W1.00	.027″	100′	75′	50′	WH, BK, CB	26%	3.20
1 1/2″	F6W1.50	.027″	50′	25′	-	WH, BK, CB	23%	4.50
1 3/4″	F6W1.75	.027″	50′	10′	-	WH, BK, CB	23%	5.00
2″	F6W2.00	.027″	40′	10′	-	WH, BK, CB	23%	6.00

CLEAN CUT®

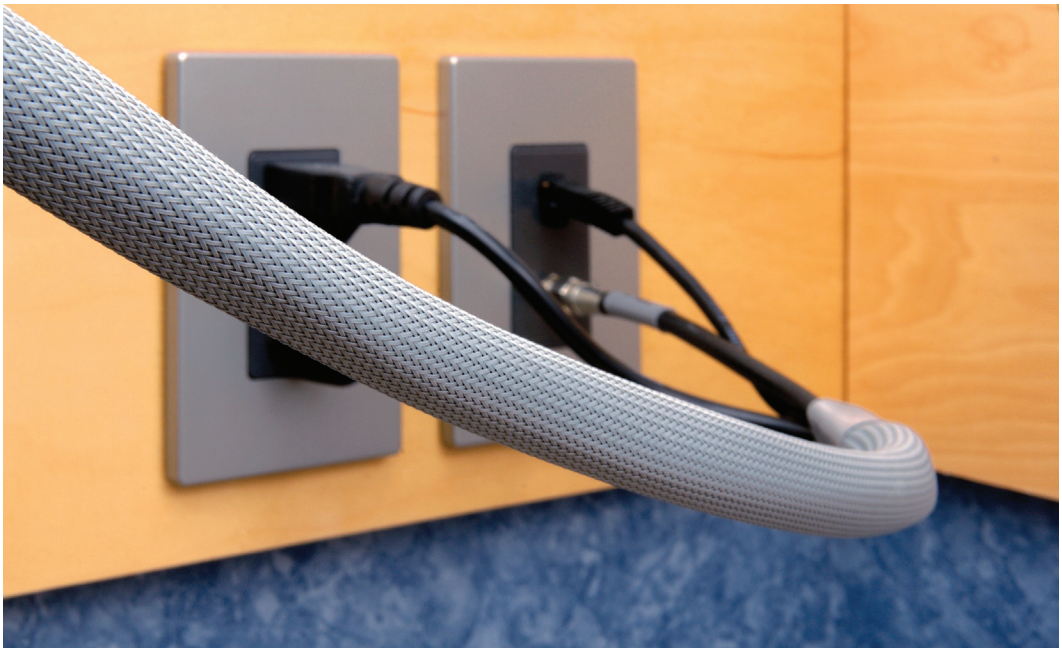


Scissor-Cut For Easy, Fray-Resistant Installation In Production Or Field

By adjusting the physical characteristics of the polyethylene terephthalate filaments, the engineers at Techflex® have produced a product with the same specifications as our PET with the unique advantage of being able to cut the material with ordinary scissors and still maintain an extraordinarily fray-resistant end.

FLEXO® CLEAN CUT® (CCP) is ideal for field installers and situations where access to a hot knife is impossible. CCP's fray-resistant properties allow for frequent expansion at the cut end without unraveling. When cut with a hot knife, CCP produces a virtually frayless end. Clean Cut® sets the highest standard for uncoated fray resistance sleeving products.

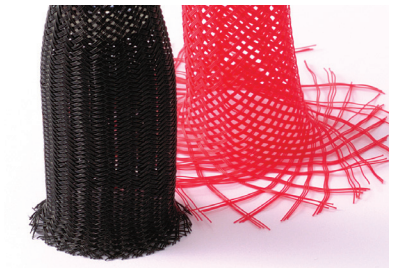
- ***Resists Fraying when Cut with Scissors***
- ***Increased Braid Density for Fuller Coverage***
- ***High Abrasion Resistance***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***



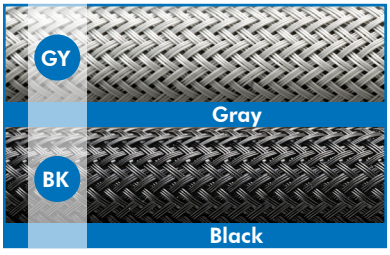
Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	CCP0.13	1/8″	1/4″	1,000′	100′	BK & GY	0.40
1/4″	CCP0.25	5/32″	7/16″	1,000′	100′	BK & GY	0.46
3/8″	CCP0.38	3/16″	5/8″	500′	100′	BK & GY	0.74
1/2″	CCP0.50	1/4″	3/4″	500′	100′	BK & GY	0.82
3/4″	CCP0.75	5/8″	1″	250′	75′	BK & GY	1.11
1″	CCP1.00	3/4″	1 3/16″	250′	50′	BK & GY	1.24
1 1/4″	CCP1.25	1″	1 1/2″	250′	50′	BK & GY	1.56
1 1/2″	CCP1.50	1 1/4″	2″	250′	50′	BK & GY	1.85
1 3/4″	CCP1.75	1 1/2″	2 1/8″	200′	50′	BK & GY	2.30
2″	CCP2.00	1 3/4″	2 1/2″	200′	50′	BK & GY	2.80



Clean Cut® cuts easily and neatly with regular scissors and maintains a fray resistant end during installation.

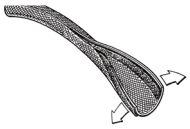


When scissor cut, the end of Clean Cut® will withstand heavier handling without fraying than standard PET.

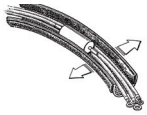


- ***Heavy Duty Hook and Loop Closure for Frequent Access***
- ***Expands to Fit Over Inline Connectors and Splices***
- ***Halogen Free***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***

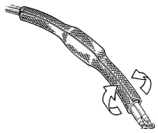
Flexible Control & Management With Easy On, Easy Off Access



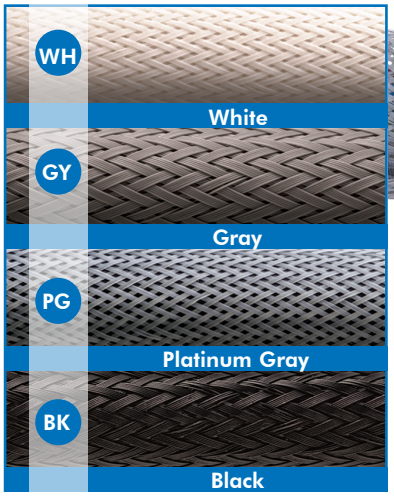
FLEXO® WRAP is designed for quick and easy management of wire, cable, and hose assemblies. Just separate the hook and loop fasteners along the edge of the material....



and slip the entire length of FWN around or under your harness or component assembly. The wide expandability range allows FWN to easily fit around...

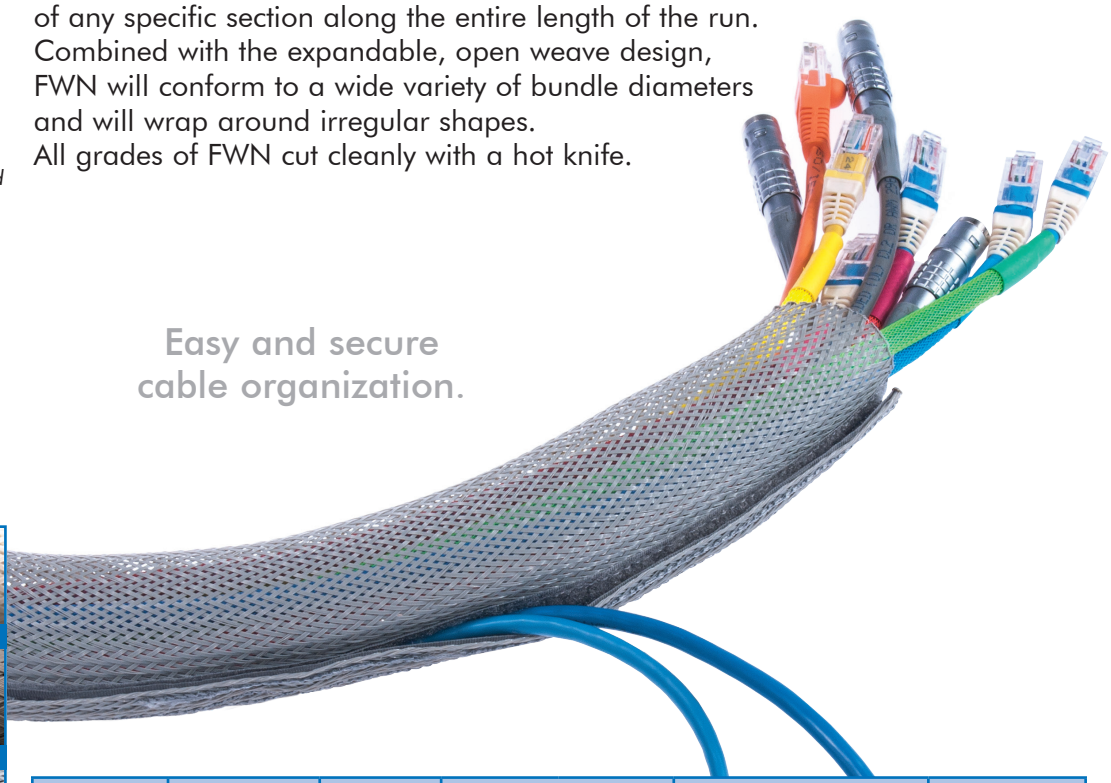


odd-shaped connectors and gently constrict around the diameter of your wires. When the FWN is in place, simply seal the hook and loop along the edges.



FLEXO® WRAP (FWN) is an exclusive product engineered and manufactured by Techflex®. FWN provides the perfect solution to a wide variety of unique application challenges.

The color matched hook and loop closure provides for easy on and off installation, as well as instant and convenient access for harness break-outs and rework of any specific section along the entire length of the run. Combined with the expandable, open weave design, FWN will conform to a wide variety of bundle diameters and will wrap around irregular shapes.
All grades of FWN cut cleanly with a hot knife.



Easy and secure cable organization.

Nominal Size	Part #	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1/2″	FWN0.50	1/4″	100′	20′	WH, GY, PG & BK	1.30
3/4″	FWN0.75	5/8″	100′	15′	WH, GY, PG & BK	1.80
1 1/4″	FWN1.25	5/8″	100′	12′	WH, GY, PG & BK	2.30
2″	FWN2.00	5/8″	100′	10′	WH, GY, PG & BK	3.20
2 1/2″	FXN2.50BK	5/8″	100′	10′	BK	3.75

Contact your account representative for additional color availability.

1 (833) SLEEVING
www.techflex.com

GripWrap™

Adjustable Diameter Sleeve With Easy On, Easy Off Access

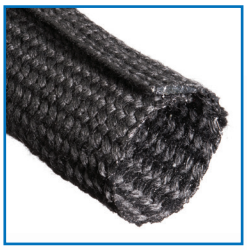
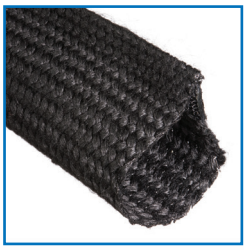
GRIPWRAP® (GWN) is a lightweight, abrasion resistant sleeving with a unique hook sealing system that eliminates spot taping and does not require an open end for installation. The sleeving permits easy access for inspection, rework, or replacement of components.

GripWrap® provides cut-through and abrasion protection, and is easily applied to areas restricted by breakouts and large end fittings. It can be used to bundle wire harnesses, and can also be used to substitute molded channels.

The unique GripWrap® system provides a variety of sealing and mounting options to accommodate any harnessing or cable management application.

One Size - Multiple Possibilities





GripWrap® can be screwed in place for a permanent wire duct.

Nominal Size	Part #	Flat Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3/4″	GWN0.75BK	2 15/16″	50′	25′	Black (BK)	2.00
1″	GWN1.00BK	4 7/16″	50′	25′	Black (BK)	3.00
1 3/8″	GWN1.38BK	5 5/16″	50′	25′	Black (BK)	4.00
Extra Flexible Construction						
3/4″	GWX0.75BK	3 1/8″	50′	25′	Black (BK)	2.97

- ***Wrappable Design for Easy Installation and Removal***
- ***Excellent Protection Against Cut-Through, Abrasion, and Impact***
- ***Closure Maintains Low Profile For Flat Cables & Harnesses***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***



Soft sleeve for reduced noise on floors and in studios.

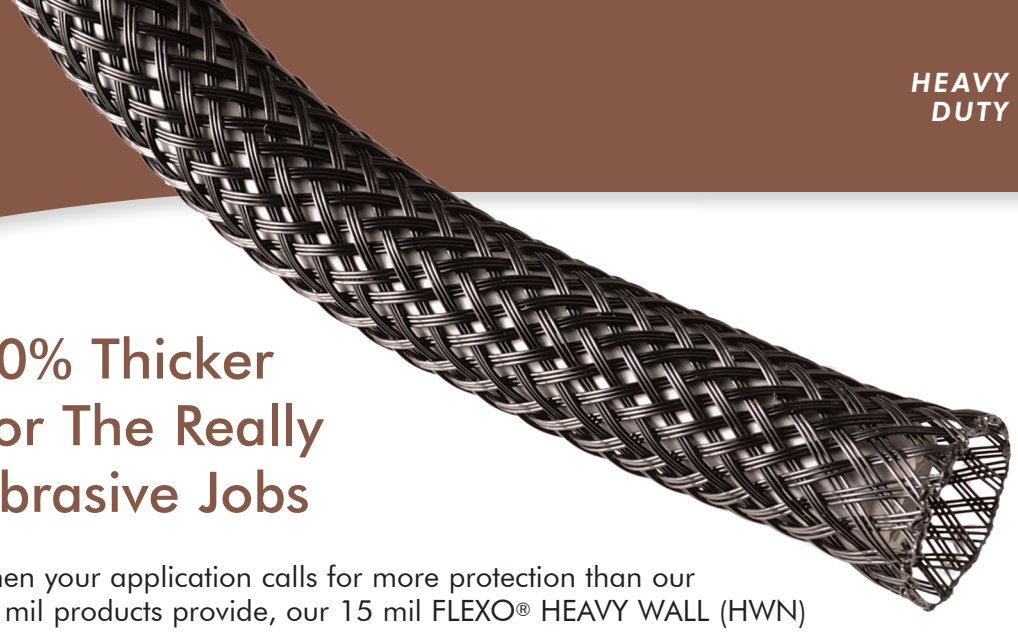


RoHS Compliant



1 (833) SLEEVING
www.techflex.com

FLEXO HEAVY WALL



- *950 Cycles**
- *Braided from 15 mil PET Monofilament*
- *Extreme Abrasion & Cut Resistance*
- *UV Resistant*
- *Resists Gasoline, Solvents, Salt Water, and Chemicals*
- *Temp. Range -94°F to 257°F*
- *Melt Temp. 482°F*

50% Thicker For The Really Abrasive Jobs

When your application calls for more protection than our 10 mil products provide, our 15 mil FLEXO® HEAVY WALL (HWN) is the ideal solution.

HWN is commonly used in industrial and marine applications where extreme abrasion protection is critical. The durability of HWN makes it ideal for protecting hoses and cables that have to withstand constant contact with rough and abrasive surfaces.

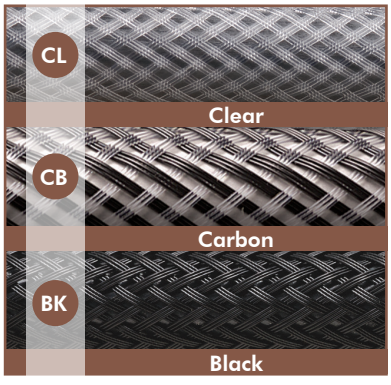
HWN is the perfect solution for use on hoses, cables, and chains to protect painted or laminated surfaces from scuffing and wear.



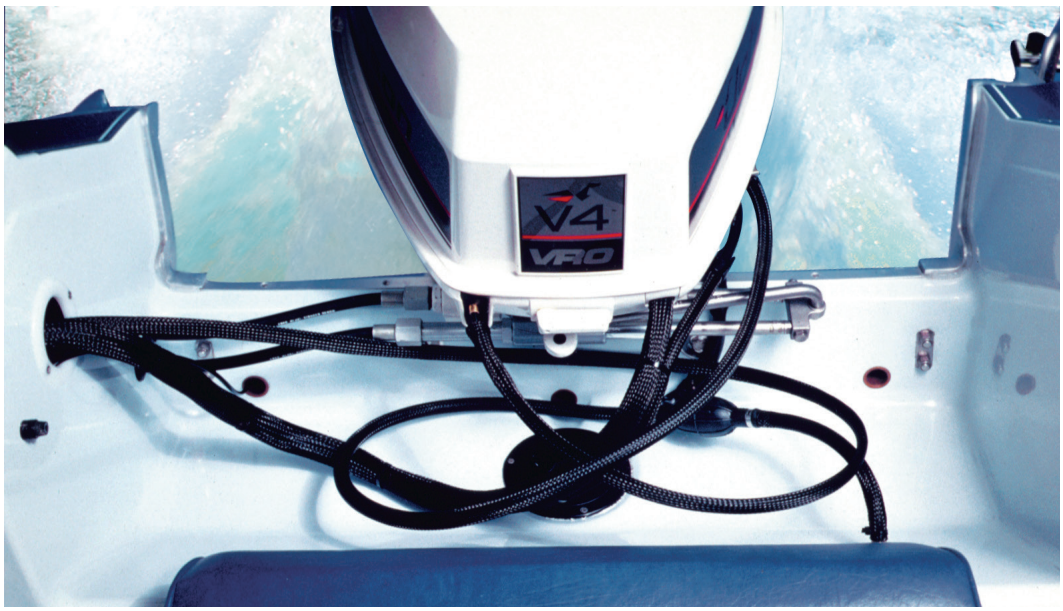
HWN protects trailer hitch harnesses from abrasion, flying debris, and UV damage without affecting flexibility or trapping moisture like convoluted tubing.



Flexo® HWN quickly dries when exposed to moisture making it ideal for marine applications.



MARINE INDUSTRY PROVEN



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	HWN0.13BK	1/16″	3/16″	500′	125′	BK	0.27
3/8″	HWN0.38	3/16″	3/4″	500′	100′	CL, CB & BK	0.82
5/8″	HWN0.63	5/16″	7/8″	250′	75′	CL, CB & BK	1.10
1″	HWN1.00	1/2″	1 1/2″	250′	50′	CL, CB & BK	1.60
1 1/2″	HWN1.50	3/4″	2″	250′	50′	CL, CB & BK	2.50
2″	HWN2.00	1 1/2″	3″	200′	50′	CL, CB & BK	3.40
3″	HWN3.00	2″	4″	100′	50′	CL, CB & BK	4.20
4″	HWN4.00	2 1/2″	5 1/2″	100′	50′	CL, CB & BK	4.20

Abrasion Resistance

630	*950	2,500	3,500	4,400	8,500	13,000

HIGH — EXTREMELY HIGH

1 (833) SLEEVING
www.techflex.com

FLEXO SUPER DUTY

Heavy Duty, Light Weight & Flexible

FLEXO® SUPER DUTY (SDN) is braided from 20 mil nylon 6-6 Polyamide monofilament. Heavy duty and flexible, this sleeving is extremely versatile. Excellent durability makes SDN ideal for a wide range of industrial applications and areas where high abrasion protection is needed.

Super Duty outperforms all competitive round filament sleeving. SDN is also more economical and easy to use, cutting cleanly with a hot knife leaving a neatly sealed end.



- ***2,500 Cycles****
- ***Braided from 20 Mil Nylon Monofilament***
- ***High Coverage***
- ***Extreme Abrasion and Cut Resistance***
- ***Resists Gasoline, UV, Solvents, Salt Water, and Chemicals***

Super Duty protects harnesses & hydraulic hoses from abrasion & flying debris without affecting flexibility or trapping moisture.



In rugged outdoor applications SDN will prolong the life of hoses and wires.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	SDN0.25BK	1/4″	1/2″	500′	100′	Black (BK)	1.05
1/2″	SDN0.50BK	1/2″	1″	250′	100′	Black (BK)	1.85
3/4″	SDN0.75BK	3/4″	1 1/4″	250′	50′	Black (BK)	2.30
1″	SDN1.00BK	1″	1 1/2″	250′	50′	Black (BK)	2.75
1 1/4″	SDN1.25BK	1 1/4″	2″	250′	50′	Black (BK)	3.00
1 3/4″	SDN1.75BK	1 3/4″	2 3/4″	100′	25′	Black (BK)	4.00
2 1/4″	SDN2.25BK	2 1/4″	3″	100′	25′	Black (BK)	5.30



Beats all competition in its class in head-to-head abrasion testing.

RoHS 2 Compliant

Abrasion Resistance

630	950	*2,500	3,500	4,400	8,500	13,000

HIGH — EXTREMELY HIGH



1 (833) SLEEVING
www.techflex.com



- *4,400 Cycles**
- *Flat Filament Technology*
- *Smooth Feel and Reduced Drag*
- *Resists Damage from UV, Gasoline, Engine Chemicals, and Salt Water*
- *Extreme Cut and Abrasion Resistance*

Innovative Flat Filament Braided For High Abrasion Resistance

GORILLA SLEEVE® (NHN) is engineered from flat filaments of tough and strong 6-6 nylon to achieve a thick abrasion guard for use on hoses. This type of sleeve has been tested against competitor's abrasion guards that mix materials in an effort to gain slight abrasion advantages.

Gorilla Sleeve® achieves better results without sacrificing great looks or flexibility.

50 mil flat monofilament

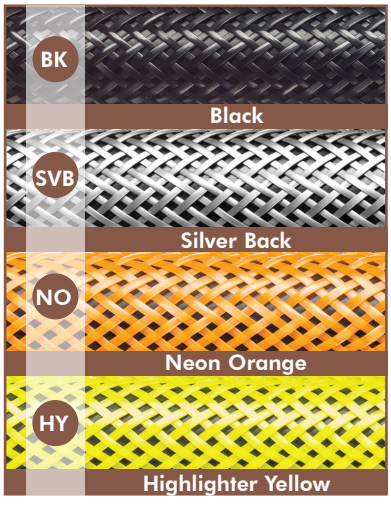
10 mil round monofilament



Comparison of monofilaments: flat versus round (magnified for better visibility)







Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
3/8″	NHN0.38	1/4″	1/2″	500′	100′	BK, SVB, NO, HY	1.00
1/2″	NHN0.50	3/8″	5/8″	500′	100′	BK, SVB, NO, HY	1.40
3/4″	NHN0.75	5/8″	1″	250′	50′	BK, SVB, NO, HY	2.10
1″	NHN1.00	7/8″	1 1/4″	250′	50′	BK, SVB, NO, HY	2.20
1 1/4″	NHN1.25	1″	1 1/2″	250′	50′	BK, SVB, NO, HY	2.50
1 1/2″	NHN1.50	1 1/4″	1 3/4″	100′	25′	BK, SVB, NO, HY	3.40
1 3/4″	NHN1.75	1 1/2″	2″	100′	25′	BK, SVB, NO, HY	4.00
2″	NHN2.00	1 3/4″	2 1/2″	100′	25′	BK, SVB, NO, HY	4.40
3″	NHN3.00	2 1/4″	3 1/2″	100′	25′	BK, SVB, NO, HY	6.50



Abrasion Resistance

630	950	2,500	3,500	*4,400	8,500	13,000

HIGH — EXTREMELY HIGH

RoHS Compliant

1 (833) SLEEVING
www.techflex.com

FLEXO RODENT RESISTANT



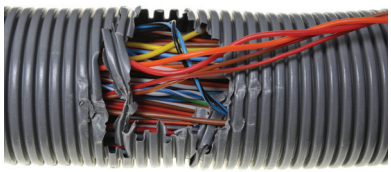
The Latest Innovation Against Pesky Rodents!

FLEXO® RODENT RESISTANT (RRN) is the latest solution from Techflex® for fighting the harmful effects of unprotected wires which are exposed to rodents. Muskrats, mice, rats, and other rodents have never ending time to find and destroy wiring and hose systems. Techflex® has once again combined our knowledge of technical filaments and braided protection sleeves to create an amazing rodent resistant sleeve.

Our new flexible wire and hose braided conduit makes a very repulsive meal for any critter. In our own in-house testing, rodents completely avoided our new Flexo® RRN even when stuffed with food. Make your wires and hoses an unappealing midnight snack with new Flexo® Rodent Resistant!

- ***Rodent Resistant***
- ***Expands up to 150%***
- ***Economical and Easy to Install***
- ***Cut and Abrasion Resistant***





Flexo® RRN sleeving protects against costly damage to wires and hoses due to rodent exposure.



In our own in-house testing, rodents completely avoided our new Flexo® RRN.



Millions of dollars are lost every year in the food and beverage industry from production line damage and lost productivity when hoses and wires are damaged by rodents.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	RR30.25DB	1/8″	3/8″	1,000′	200′	Dark Brown(DB)	0.39
3/8″	RRN0.38DB	3/16″	1/2″	500′	125′	Dark Brown(DB)	0.57
1/2″	RRN0.50DB	1/4″	3/4″	500′	100′	Dark Brown(DB)	0.77
5/8″	RRN0.63DB	3/8″	1″	500′	100′	Dark Brown(DB)	0.95
3/4″	RRN0.75DB	1/2″	1 1/4″	250′	75′	Dark Brown(DB)	1.20
1″	RRN1.00DB	5/8″	1 5/8″	250′	65′	Dark Brown(DB)	1.34
1 1/4″	RRN1.25DB	3/4″	1 3/4″	250′	50′	Dark Brown(DB)	1.60
1 1/2″	RRN1.50DB	1″	2 1/8″	200′	40′	Dark Brown(DB)	1.96
1 3/4″	RRN1.75DB	1 1/4″	2 3/4″	200′	30′	Dark Brown(DB)	2.45
2″	RRN2.00DB	1 1/2″	3 1/2″	200′	50′	Dark Brown(DB)	2.60
2 1/2″	RRN2.50DB	1 3/4″	3 5/8″	200′	50′	Dark Brown(DB)	3.80

Material can cause irritation if it comes in contact with skin, eyes, etc. Handle with care.

RoHS Compliant

1 (833) SLEEVING
www.techflex.com



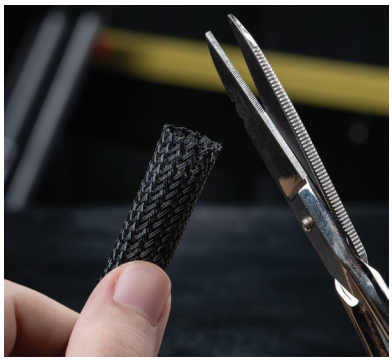
- *3,600 Cycles**
- *Outstanding Protection Against Abrasion & Cut-Through*
- *Resists Gasoline, Engine Chemicals, & Cleaning Solvents*
- *Does Not Trap Heat Or Humidity*
- *Resists Fraying When Cut With Scissors*

Cut Easily. Protect Confidently.

CLEAN CUT® HD (CCH) is perfect for heavy duty applications where there is no access to a hot knife.

This dual monofilament sleeve is constructed with 10 mil polyethylene terephthalate (PET) and 15 mil nylon 6-6 polyamide monofilament yarns for superior strength. For an extra level of protection, a resin coating is applied to offer improved abrasion, cut, and fray resistance. The open-weave construction expands to fit several application shapes and sizes, and also makes this sleeving highly flexible and resistant to trapping moisture, heat and humidity.

Clean Cut® HD is commonly used in military, marine, and industrial applications where additional abrasion and moisture protection is needed.









Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	CCH0.13BK	.0285″	1/8″	1/4″	1,000′	100′	Black (BK)	0.28
1/4″	CCH0.25BK	.0285″	1/8″	3/8″	1,000′	100′	Black (BK)	0.42
3/8″	CCH0.38BK	.0285″	1/4″	1/2″	500′	100′	Black (BK)	0.80
1/2″	CCH0.50BK	.0285″	3/8″	3/4″	500′	100′	Black (BK)	1.06
3/4″	CCH0.75BK	.0285″	3/4″	1 1/4″	250′	75′	Black (BK)	1.60
1″	CCH1.00BK	.0285″	1″	1 1/2″	250′	50′	Black (BK)	1.71
1 1/4″	CCH1.25BK	.0285″	1 1/4″	2 1/4″	250′	50′	Black (BK)	2.02
1 1/2″	CCH1.50BK	.0285″	1 1/2″	2 1/2″	200′	50′	Black (BK)	2.70
2″	CCH2.00BK	.0285″	2″	3 1/4″	100′	25′	Black (BK)	3.36

1 (833) SLEEVING
www.techflex.com

Abrasion Resistance

630	950	2,500	*3,600	4,400	8,500	13,000

HIGH — EXTREMELY HIGH

RoHS Compliant



OEM Overbraid Replacement for Heavy Duty Harnesses

The fact is, braid is better at protecting wire harnesses than any other technology engineers have come up with. Braid beautifully combines the features of flexibility, ruggedness, breathability, and coverage. What is not considered a feature of braid is the 2000 pound braiding machine required to create many of today's "over braided" heavy equipment harnesses. That's why Techflex® created OVR Braid. Made from the exact OEM yarns used and approved by the top construction equipment manufacturers, OVR Braid is designed to install from a roll quickly and efficiently. This is perfect whether building an assembly from scratch or repairing an existing wire loom. OVR can be installed in a similar way to our well know Flexo® style sleeves, by expanding and sliding it. This allows OVR to snake itself down nearly any harness without tools or machines. Once installed even a highly experienced harness aficionado would be hard pressed to tell which harness was "over braided" and which harness was "Techflex® OVR Braid".

- ***1,100 Cycles****
- ***Does Not Trap Heat Or Humidity***
- ***Fire Resistant***
- ***Suitable For External Engine & Cabin Harnesses***







Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	OVR0.13BK	.042″	1/8″	1/8″	500′	100′	Black (BK)	0.60
3/8″	OVR0.38BK	.042″	1/4″	1/2″	500′	100′	Black (BK)	1.60
1/2″	OVR0.50BK	.042″	3/8″	3/4″	500′	100′	Black (BK)	2.00
3/4″	OVR0.75BK	.042″	5/8″	1 1/8″	250′	100′	Black (BK)	3.00
1″	OVR1.00BK	.042″	1″	2 1/2″	250′	100′	Black (BK)	3.80
1 1/2″	OVR1.50BK	.042″	1 1/2″	3 3/4″	200′	50′	Black (BK)	4.40

RoHS Compliant

Abrasion Resistance

630	950	*1100	3,500	4,400	8,500	13,000

HIGH — EXTREMELY HIGH



- *3,500 Cycles**
- *45 Mil Wall Thickness Resists Snagging*
- *Prevents Damage From UV, Gasoline, Engine Chemicals, and Salt*
- *Resists Cuts, Abrasion, and Penetration*
- *Flexible & Economical General Purpose Protection*
- *Install Easily during Production or Repair*
- *Deflects High Pressure Hose Ruptures*

Industrial Hose & Cable Protection For Harsh Environments

The tightly woven nylon makes DURA FLEX (DFN) the perfect solution for hose & cable protection. The 45 mil wall thickness will protect cables, hoses, and ropes from weather, sunlight, and abrasion damage.

When installed over uncoated cable or chains, DFN will prevent scraping, chafing, and contact damage to painted or other fragile surfaces.

DFN is resistant to chemicals, UV damage, and rot. It is suitable for continuous outdoor use under all weather conditions.

The flexible sleeving cuts with a scissor and the tight construction slides easily over any application.







Multiple high pressure hoses can be bundled tightly together to protect them from abrasion and weather, and to protect personnel from potential harm due to high pressure rupture.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups			Available Colors	Lbs/ 100′
			Maxi Coil	Bulk Spool	Shop Spool		
0.71″	DFN0.71BK	.045″	300′	100′	50′	Black (BK)	2.57
0.83″	DFN0.83BK	.045″	300′	100′	50′	Black (BK)	2.58
0.92″	DFN0.92BK	.045″	300′	100′	50′	Black (BK)	3.22
1.00″	DFN1.00BK	.045″	300′	100′	50′	Black (BK)	3.66
1.13″	DFN1.13BK	.045″	300′	100′	50′	Black (BK)	4.18
1.25″	DFN1.25BK	.045″	300′	100′	50′	Black (BK)	4.49
1.34″	DFN1.34BK	.045″	300′	100′	50′	Black (BK)	4.84
1.59″	DFN1.59BK	.045″	300′	100′	50′	Black (BK)	5.37
1.75″	DFN1.75BK	.045″	300′	100′	50′	Black (BK)	6.13
2.07″	DFN2.07BK	.045″	300′	100′	50′	Black (BK)	7.26
2.38″	DFN2.38BK	.045″	300′	100′	50′	Black (BK)	8.28
2.54″	DFN2.54BK	.045″	300′	100′	50′	Black (BK)	8.98
2.86″	DFN2.86BK	.045″	300′	100′	50′	Black (BK)	9.89
3.34″	DFN3.34BK	.045″	300′	50′	25′	Black (BK)	11.59
3.66″	DFN3.66BK	.045″	300′	50′	25′	Black (BK)	12.25

Abrasion Resistance

630	950	2,500	*3,500	4,400	8,500	13,000

HIGH — EXTREMELY HIGH

ISO 6945 MSHA RoHS Compliant

1 (833) SLEEVING
www.techflex.com

DURA WRAP



Harsh Environment Protection With Easy On, Easy Off Hook & Loop Closure

DURA WRAP (DWN) is the answer to organizing and controlling wires, cables, and hoses that are subjected to constant and extreme use. The flexible sleeve is made from tightly woven ballistic nylon with an aggressive, industrial strength hook and loop closure. DURA WRAP is used on wires to keep them together, on hoses and cables to prevent abrasion damage, and can be used on chains to keep them from ruining expensive finished surfaces. Dura Wrap reduces expensive downtime thanks to its easy retro fit installation. No disassembly required. DWN is extremely flexible and easy to install over single or multiple hoses. In the event of a hose rupture, the high strength sleeving helps prevent high pressure fluid from becoming a danger to equipment operators and other personnel.

- ***8,500 Cycles****
- ***Tightly Woven Ballistic Nylon Construction***
- ***Heavy Duty, Oversized Hook & Loop Closure***
- ***Repels Liquids***
- ***Easy Retro Fit Installation***





DWN is perfect for protecting hydraulic pistons in harsh environments.





Nominal Size	Part #	Wall Thickness	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1″	DWN1.00BK	.026″	1″	150′	25′	Black (BK)	5.40
1 1/2″	DWN1.50BK	.026″	1″	150′	25′	Black (BK)	7.00
2″	DWN2.00BK	.026″	1″	150′	25′	Black (BK)	8.20
2 1/2″	DWN2.50BK	.026″	1″	150′	25′	Black (BK)	9.40
3″	DWN3.00BK	.026″	1″	150′	25′	Black (BK)	11.40
3 1/2″	DWN3.50BK	.026″	1″	150′	25′	Black (BK)	12.60
4″	DWN4.00BK	.026″	1″	150′	25′	Black (BK)	14.00
4 1/2″	DWN4.50BK	.026″	1″	150′	25′	Black (BK)	15.40
6″	DWN6.00BK	.026″	1″	150′	25′	Black (BK)	19.20
8″	DWN8.00BK	.026″	1″	50′	25′	Black (BK)	25.00

RoHS 2 Compliant

Abrasion Resistance

630	950	2,500	3,500	4,400	*8,500	13,000

HIGH — EXTREMELY HIGH

1 (833) SLEEVING
www.techflex.com



- ***Heavy Abrasion Guard***
- ***Cut-Through Resistance***
- ***Self Closing Wrap***
- ***Resists To Chemicals & Automotive Fluids***
- ***Great Spot-Protection***
- ***No Tool Install***
- ***Lightweight And Very Flexible***

Chafe Protection F6® Heavy Wrap

F6® HEAVY (F6H) is a unique composite wrap-around chafe guard made from resistant synthetic polymers. Techflex® F6® Heavy Wrap is reimagined from the ground up to protect hoses and cables from chafing and abrasion. The easy wrap installation technology is a first for the hydraulic and fluid transfer industry. By combining the extreme cut and abrasion defense of a traditional woven nylon protection sleeve and the self-wrapping properties of our best-selling F6® line of products we have created a new standard for fast in field hose and wire protection.

We have eliminated the need to disconnect fittings, connectors and hoses in order to properly protect your systems from damage. Simply apply F6® Heavy and get back work.





Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Lbs/ 100′
			Bulk Box	Box A	Box B		
3/8″	F6H0.38BK	.06″	1,200′	150′	75′	Black BK	3.2
1/2″	F6H0.50BK	.06″	800′	100′	50′	Black BK	3.9
5/8″	F6H0.63BK	.06″	500′	100′	50′	Black BK	4.7
3/4″	F6H0.75BK	.06″	500′	100′	50′	Black BK	5.0
1″	F6H1.00BK	.06″	400′	75′	25′	Black BK	6.2
1 3/8″	F6H1.38BK	.06″	250′	75′	25′	Black BK	7.5

F6® HEAVY Wrap is specially designed to protect high voltage battery cables in hybrid and electric vehicles from crash and cut-through damage. It also allows to avoid short circuit on power lines by isolating the electrical system from the rest of the vehicle. F6H keeps wiring harness systems safe and secure in case of accidents; driver and passengers protection but also safety teams against high electrical loads.

BATTLE BRAID®

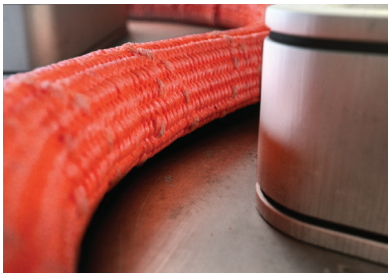


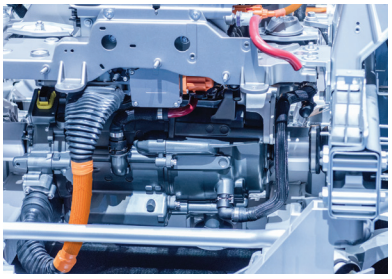
Superior Cut-Through Protection Battle Braid®

BATTLE BRAID® (BBN) is a heavy duty cut resistant sleeve designed to protect wire and cable assemblies from heavy impacts and punctures. The durable polyester construction absorbs and dissipates energy to offer superior crush and abrasion protection. The orange Battle Braid® is the perfect choice for EV manufacturers that require power cable indentification for emergency crews in the case of a crash situation. This flexible lightweight sleeve shields brake lines from damage due to flying rocks or debris on industrial and military vehicles and offers excellent abrasion resistance for fuel and hydraulic hoses in extreme environments.

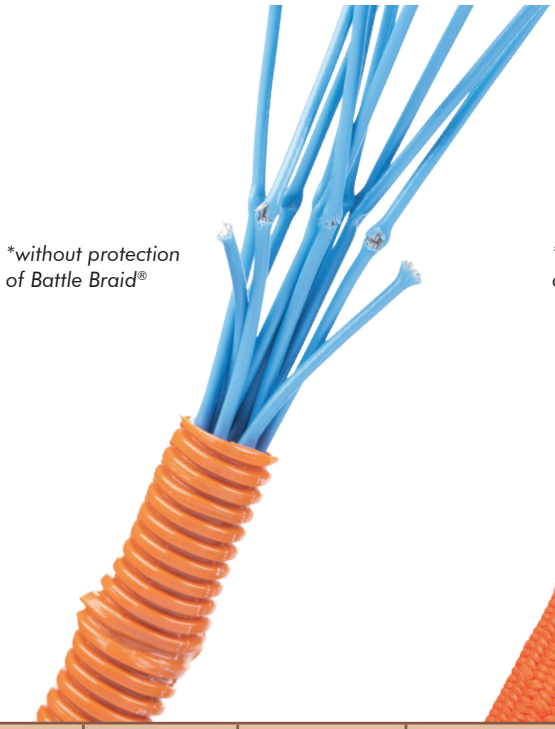
Also available in black for fuel line protection and low voltage applications.

- ***500,000 Cycles****
- ***Dynamic Cut Through Resistance >330 lbs. (ASTM D3032-22)***
- ***Prevents UV, Gas, & Chemical Damage***

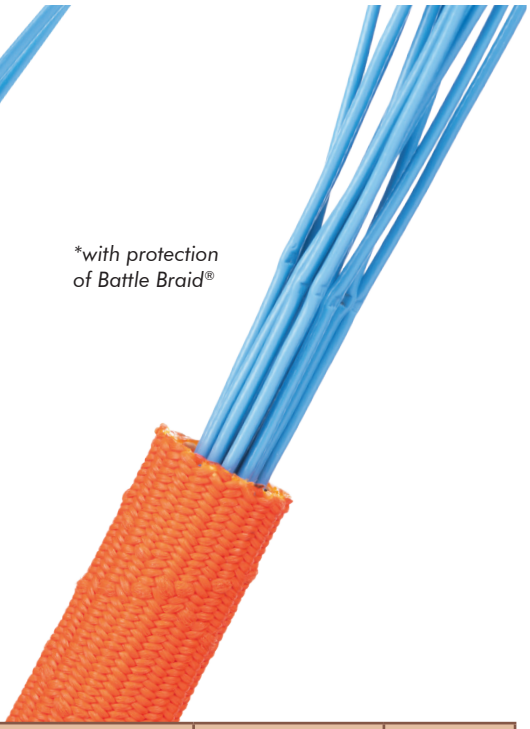








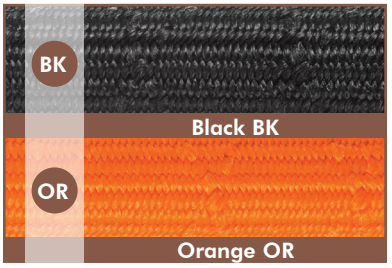
*without protection of Battle Braid®



*with protection of Battle Braid®

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3/8″	BBN0.38	.085″	50′	25′	BK & OR	5.00
1/2″	BBN0.50	.085″	50′	25′	BK & OR	6.20
5/8″	BBN0.63	.085″	50′	25′	BK & OR	7.10
3/4″	BBN0.75	.085″	50′	25′	BK & OR	8.30
1″	BBN1.00	.085″	50′	25′	BK & OR	11.30
1 1/4"	BBN1.25	.085″	50′	25′	BK & OR	12.70

*Images simulated based on actual test results.



RoHS 3 Compliant

Abrasion Resistance

950	2,500	3,500	4,400	8,500	13,000	*500,000+

HIGH — EXTREMELY HIGH!!!

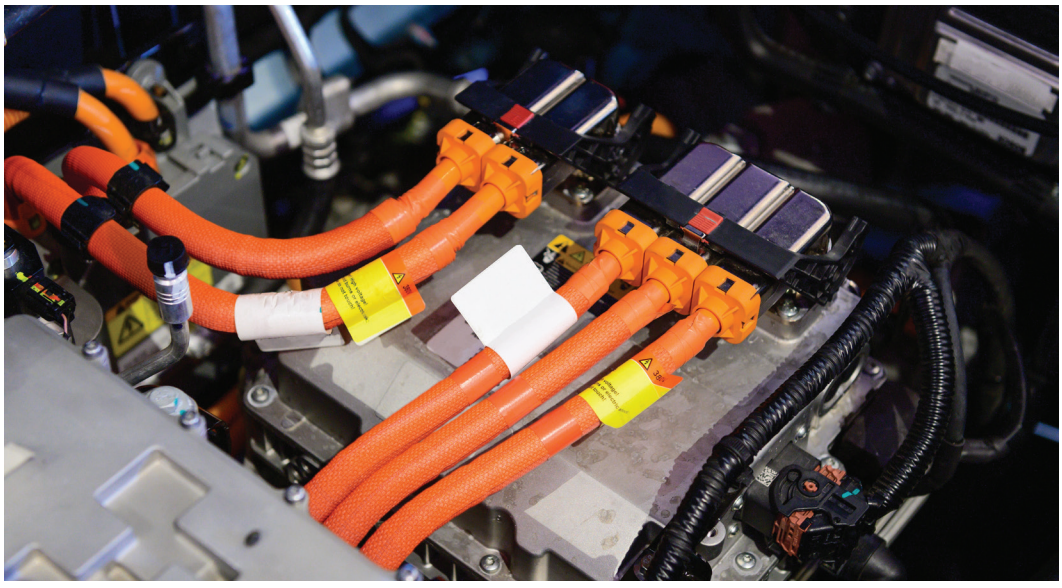


F6® Battle Wrap - Wrappable Cut-Through Protection

F6® Battle Wrap incorporates the superior protection of its predecessor, Battle Braid, with the wrap-around design and easy application of the legendary F6® split tube. This heavy duty, wrap-around, cut resistant sleeving is designed to guard wire and cable assemblies from significant impacts and punctures. It is an obvious choice for the automotive industry, with durable polyester construction that absorbs and dissipates energy to offer superior crush and abrasion protection, plus limit the exposure of brake lines and wire harnesses to extreme environments.

F6® Battle Wrap sleeving is also suitable for EV manufacturers, providing power cable protection and easy identification to emergency crews in a crash situation. Its construction makes F6® Battle Wrap a great choice for assembly, as well as for maintenance and repairs, with no need to disassemble a harness.

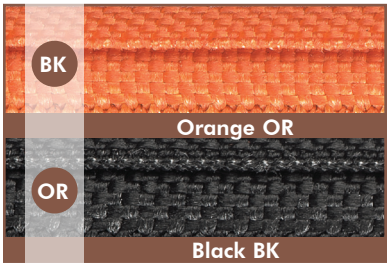
- ***400,000+ Cycles****
- ***Impact Resistant***
- ***Dynamic Cut Through Resistance >330 lbs. (ASTM D3032-22)***
- ***Prevents UV, Gas, & Chemical Damage***
- ***Self Extinguishing SAEJ369***
- ***Automotive Fluid And Chemical Resistance***







Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3/8″	B6W0.38	.09″	50′	25′	BK & OR	4.25
1/2″	B6W0.50	.09″	50′	25′	BK & OR	5.00
5/8″	B6W0.63	.09″	50′	25′	BK & OR	5.75
3/4″	B6W0.75	.09″	50′	25′	BK & OR	6.25
1″	B6W1.00	.09″	50′	25′	BK & OR	8.00
1 1/4"	B6W1.25	.09″	50′	25′	BK & OR	8.50



RoHS 2011/65/EU Compliant

Abrasion Resistance

950	2,500	3,500	4,400	8,500	13,000	*400,000+

HIGH — EXTREMELY HIGH!!!

DURA BRAID



- *7,000 Cycles**
- *64 Mil Wall Thickness*
- *50% Longer Wear Life than the Standard Woven Hose Guard*
- *Very Flexible*

Seamless Braided Design

Techflex® DURA BRAID (DBN) is the longest wearing braided abrasion sleeve we have ever made. Taking advantage of the benefits of our braiding heritage, Dura Braid is more flexible, easier to fit on applications, and has no seam on its axis. The result is a continuous, seamless, and beautiful product that will protect your hoses and wires even better than our original woven Dura Flex product. In side by side comparisons, our new Dura Braid provides 50% more wear life than the industry standard hose protection sleeves. This new technology hose guard wears like iron with help from our new and exclusive polymeric textile infusion process. This is the first product of its kind and it sets a new standard in the hose guard industry.

Hydraulic and pneumatic hose systems are hyper critical to many industrial machines. That's why we take our protection so seriously. Unprotected hose and wire systems cost our economy in many ways such as lost productivity, repairs, and cleanups. Techflex® is built on developing and providing solutions to prevent problems. We constantly strive for cost effective solutions and Dura Braid is priced competitively with solutions that offer 1/2 of its abrasion resistance.



Hose Protection is serious business and Dura Braid steps up with more abrasion resistance and higher flexibility than competitive products in its price range.







Slight expansion makes a great fit.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1/2″	DBN0.50BK	.064″	100′	50′	Black (BK)	3.1
5/8″	DBN0.63BK	.064″	100′	50′	Black (BK)	3.2
3/4″	DBN0.75BK	.064″	100′	50′	Black (BK)	4.0
7/8″	DBN0.88BK	.064″	100′	50′	Black (BK)	4.6
1″	DBN1.00BK	.064″	100′	50′	Black (BK)	4.6
1 1/4″	DBN1.25BK	.064″	100′	50′	Black (BK)	5.7
1 1/2″	DBN1.50BK	.064″	100′	50′	Black (BK)	5.3
2 3/16″	DBN2.19BK	.064″	100′	50′	Black (BK)	8.3

Abrasion Resistance

630	950	2,500	3,500	4,400	*7,000	13,000

HIGH — EXTREMELY HIGH

MSHA Pending.

RoHS Compliant

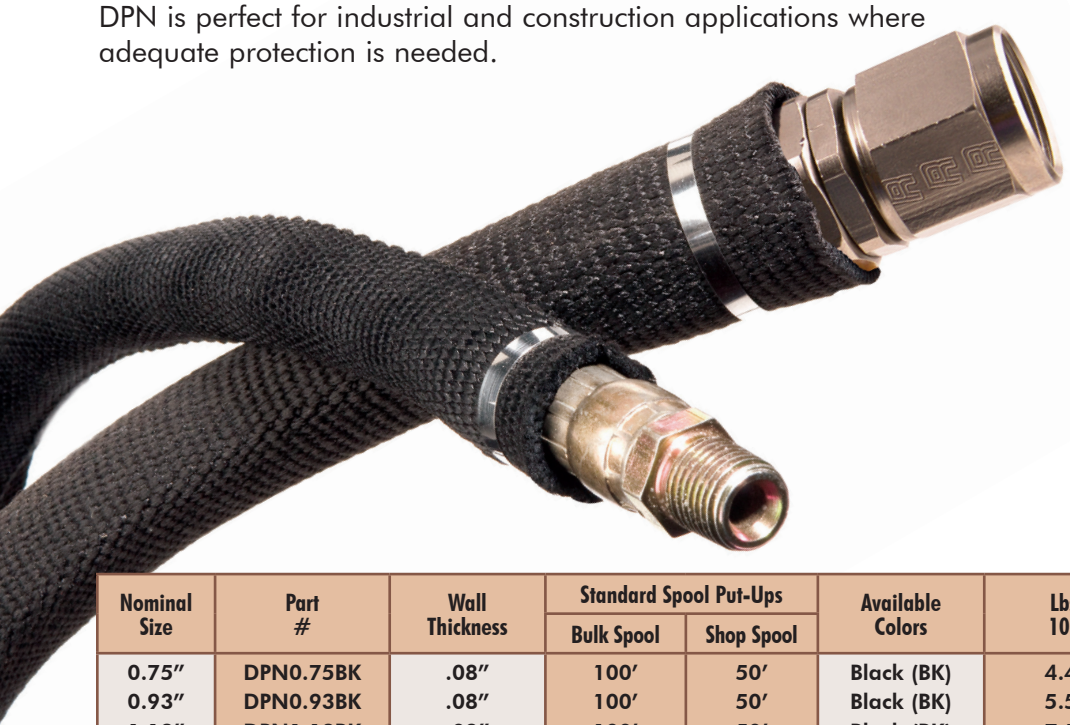
Most Advanced Hose Protection Solution

DURA FLEX PROFESSIONAL (DPN) provides tough hose protection in two ways. First, per the ISO 6945 spec, DPN's unique 80 mil thick tubular weave design will withstand up to 13,000 abrasion cycles without wearing through the fabric at any location.

Additionally, the exceptionally smooth inner wall provides easy installation and minimizes any internal abrasion problems. The tightly woven nylon construction is extremely flexible and resists chemical and ultraviolet degradation.

Dura-Flex Professional cuts with a scissor, and installs quickly and easily.

DPN is perfect for industrial and construction applications where adequate protection is needed.



- ***13,000 Cycles****
- ***Heavy Duty, 80 Mil Wall Thickness***
- ***ISO 6945 Certified***
- ***Professional Grade Construction***
- ***Smooth Inner Wall Prevents Internal Abrasion Damage***
- ***Nylon Construction Resists UV, Salt, Chemicals, Vermin, and Rot***



When every second counts, Dura Flex Pro is your thickest protection for the longest wear.



Techflex® Dura Flex products add increased safety in confined spaces such as mines.



Whatever your hose or application, DPN will provide an extra level of protection from cuts, abrasion, and UV damage.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
0.75″	DPN0.75BK	.08″	100′	50′	Black (BK)	4.43
0.93″	DPN0.93BK	.08″	100′	50′	Black (BK)	5.51
1.13″	DPN1.13BK	.08″	100′	50′	Black (BK)	7.15
1.25″	DPN1.25BK	.08″	100′	50′	Black (BK)	7.44
1.35″	DPN1.35BK	.08″	100′	50′	Black (BK)	8.02
1.43″	DPN1.43BK	.08″	100′	50′	Black (BK)	8.32
1.63″	DPN1.63BK	.08″	100′	50′	Black (BK)	9.53
1.81″	DPN1.81BK	.08″	100′	50′	Black (BK)	10.71
2.19″	DPN2.19BK	.08″	100′	50′	Black (BK)	12.31
2.63″	DPN2.63BK	.08″	100′	50′	Black (BK)	14.83
2.88″	DPN2.88BK	.08″	100′	50′	Black (BK)	17.30
3.13″	DPN3.13BK	.08″	50′	25′	Black (BK)	18.04
3.38″	DPN3.38BK	.08″	50′	25′	Black (BK)	20.11
3.63″	DPN3.63BK	.08″	50′	25′	Black (BK)	21.60
4.00″	DPN4.00BK	.08″	50′	25′	Black (BK)	23.52

RoHS Compliant

MSHA

ISO 6945

Abrasion Resistance

630	950	2,500	3,500	4,400	8,500	*13,000

HIGH *EXTREMELY HIGH*

1 (833) SLEEVING
www.techflex.com



- *13,500 Cycles**
- *20 Mil Wall Thickness*
- *1,000 Denier Cordura, Double Coated with Proprietary High FR Neoprene*
- *Extreme, Oversized Hook & Loop Closure*
- *Repels Liquids*
- *Prevents Damage From UV, Abrasion, And Salt Water*
- *Resists & Sheds Sparks And Hot Spall*
- *Non-Wicking*

Protection Sleeve With Easy On, Easy Off Hook And Loop Closure

TURTLE WRAP (DWT) is made of 1,000 Denier Cordura® and double coated with proprietary high FR Neoprene. This protection sleeve is used for bundling and wrapping hoses and cables. The reusable sleeve features Mil-Spec extreme Hook & Loop closure, which allows installation without disconnecting hoses and can reduce labor time by 70%.

DWT is an excellent choice for weld cable or welding hose that is often dragged across the floor. This material resists sparks and hot spall. Turtle Wrap is also used in subsea maintenance where barnacles, sea life, and salt water can damage hoses. This sleeve is also heavily used on off-shore oil rigs.



With built in flame retardancy, your imagination is the limit for things you can protect.







Nominal Size	Part #	Wall Thickness	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1″	DWT1.00BK	.02″	3/4″	150′	25′	Black (BK)	6.00
1 1/2″	DWT1.50BK	.02″	3/4″	150′	25′	Black (BK)	7.20
1 3/4″	DWT1.75BK	.02″	1 1/2″	150′	25′	Black (BK)	9.29
2″	DWT2.00BK	.02″	1 1/2″	150′	25′	Black (BK)	10.41
2 3/8″	DWT2.38BK	.02″	1 1/2″	150′	25′	Black (BK)	11.10
2 1/2″	DWT2.50BK	.02″	1 1/2″	150′	25′	Black (BK)	11.60
3″	DWT3.00BK	.02″	1 1/2″	150′	25′	Black (BK)	13.80
3 1/2″	DWT3.50BK	.02″	1 1/2″	150′	25′	Black (BK)	15.33
4″	DWT4.00BK	.02″	1 1/2″	150′	25′	Black (BK)	16.80
6″	DWT6.00BK	.02″	1 1/2″	150′	25′	Black (BK)	22.00

CORDURA® is a registered trademark of INVISTA.

Abrasion Resistance

630	950	2,500	3,500	4,400	8,500	*13,000+

HIGH *EXTREMELY HIGH*

RoHS Compliant

1 (833) SLEEVING
www.techflex.com



Extreme Heavy Duty Abrasion Sleeve With Easy On, Easy Off Hook & Loop Closure

GATOR WRAP® (DWG) is made of proprietary extreme abrasion fabric. This protection sleeve is used for bundling and wrapping hoses and cables. The reusable sleeve features Mil-Spec extreme Hook & Loop closure, which allows installation without disconnecting hoses and can reduce labor time by 70%.

Gator Wrap® is an excellent choice for applications requiring protection from the toughest abrasion. This heavy duty abrasion sleeve is used in the oil field industry on frac hoses and on drill rigs, as well as in the timber industry to replace spiral wrap.

- ***50,000+ Cycles****
- ***50 Mil Wall Thickness***
- ***Proprietary Abrasion Fabric***
- ***Extreme, Oversized Hook & Loop Closure***
- ***Very Puncture & Tear Resistant***
- ***Sheds Surface Moisture***
- ***Resistant to Water and Petroleum***
- ***Excellent Welding Sparks and Spall Resistance***





Currently the strongest abrasion resistant material we make. Gator Wrap® is for the extreme environments where hose failure is not an option.

Nominal Size	Part #	Wall Thickness	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1 3/8″	DWG1.38BK	.05″	1 1/2″	75′	25′	Black (BK)	15.54
1 3/4″	DWG1.75BK	.05″	1 1/2″	75′	25′	Black (BK)	16.90
2″	DWG2.00BK	.05″	1 1/2″	75′	25′	Black (BK)	18.62
2 1/2″	DWG2.50BK	.05″	1 1/2″	75′	25′	Black (BK)	21.60
3″	DWG3.00BK	.05″	1 1/2″	75′	25′	Black (BK)	24.93
3 1/2″	DWG3.50BK	.05″	1 1/2″	75′	25′	Black (BK)	26.73
4″	DWG4.00BK	.05″	1 1/2″	75′	25′	Black (BK)	29.58
4 1/2″	DWG4.50BK	.05″	1 1/2″	75′	25′	Black (BK)	33.45
5″	DWG5.00BK	.05″	1 1/2″	75′	25′	Black (BK)	36.81
6″	DWG6.00BK	.05″	1 1/2″	75′	25′	Black (BK)	42.35

RoHS Compliant

Abrasion Resistance

950	2,500	3,500	4,400	8,500	13,000	*50,000+

HIGH *EXTREMELY HIGH!!!*

1 (833) SLEEVING
www.techflex.com

FLEXO TINNED COPPER®

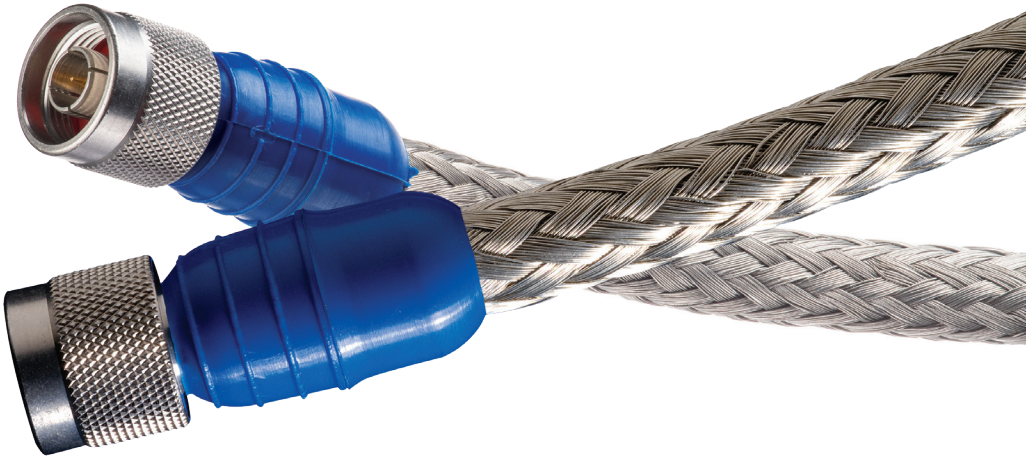


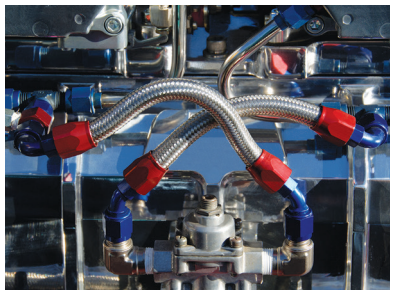
Tinned Copper Sleeve For Shielding, Grounding, And Decoration

- ***EMI, RFI, ESD Protection***
- ***Grounding Straps***
- ***Engine Dress-Up***
- ***Complies with CID A-A-59569***
- ***Extreme Blowout Protection***
- ***Expands for Easy Installation***
- ***Cut and Abrasion Resistant***
- ***Melt Temp: Copper 1,981°F (1,083°C); Tin 450°F (232°C)***

Our skill with braided sleeving extends to many materials including metal braid for a variety of applications. Our FLEXO® TINNED COPPER Metal Braid (MBN) is perfect for shielding on harnesses and cables, and wire conforms to ASTM-B 33.

High end automotive applications have always used braided metal for secure and efficient grounding applications. The material is also great for hose covering on hot rods and motorcycles.









Nominal Size	Part #	AWG of Ends	Carriers	Wires per Carrier	Current Capacity Amps	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
						Bulk Spool	Shop Spool		
1/16″	MBN0.06SV	36	24	2	11	250′	100′	Silver (SV)	0.40
7/64″	MBN0.11SV	36	24	4	19	250′	100′	Silver (SV)	0.80
1/8″	MBN0.13SV	36	24	5	25	250′	100′	Silver (SV)	1.00
5/32″	MBN0.16SV	36	24	10	40	250′	100′	Silver (SV)	2.10
11/64″	MBN0.17SV	36	24	7	32	250′	100′	Silver (SV)	1.35
13/64″	MBN0.20SV	32	24	5	46	250′	100′	Silver (SV)	2.50
1/4″	MBN0.25SV	36	24	16	53	250′	100′	Silver (SV)	2.20
3/8″	MBN0.38SV	36	48	8	53	250′	100′	Silver (SV)	3.30
1/2″	MBN0.50SV	36	48	11	62	100′	50′	Silver (SV)	3.50
*5/8″	MBN0.63SV	34	48	8	64	100′	50′	Silver (SV)	3.60
25/32″	MBN0.78SV	36	48	18	88	100′	50′	Silver (SV)	7.35
7/8″	MBN0.88SV	30	48	7	100	100′	50′	Silver (SV)	10.30
1″	MBN1.00SV	30	48	8	120	100′	50′	Silver (SV)	13.15
1 1/8″	MBN1.13SV	30	48	9	130	100′	50′	Silver (SV)	13.80
*1 1/4″	MBN1.25SV	30	48	10	145	100′	50′	Silver (SV)	16.50
1 3/8″	MBN1.38SV	30	48	11	150	100′	50′	Silver (SV)	16.90
1 1/2″	MBN1.50SV	30	48	12	165	100′	50′	Silver (SV)	18.40
2″	MBN2.00SV	30	48	14	180	100′	50′	Silver (SV)	22.70
*2 1/4″	MBN2.25SV	30	48	16	190	100′	50′	Silver (SV)	23.60

*Not on Spec - CID A-A-59569 (formerly Mil Spec QQB-575).

FLEXO TINNED COPPER FLAT®



Tinned Copper Sleeve - Flat Construction

Like the tubular construction of our Flexo® Tinned Copper, TINNED COPPER FLAT (MFN) provides excellent shielding efficiency and easy radial termination. Both durable and flexible, it can be used to create a low resistance point-to-point ground strap. MFN is suitable for use in wiring applications where no insulation is needed and in ground wire applications.

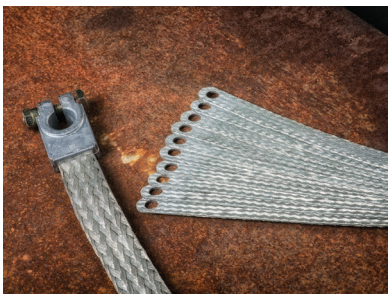
The braid is also an ideal solution to providing additional shielding to cables in retrofit applications. Tinned copper braided sleeving provides superior attenuation of greater than 60 dB over wide frequencies, ranging from a few kilohertz (kHz) to several gigahertz (gHz). Braided sleeving provides superior flexibility and ease of installation compared to foil wrapped cable.

- ***Wire Meets ASTM-B 33***
- ***Complies with CID A-A-59569***
- ***Point-to-Point Ground Path***
- ***Cut with Shears***
- ***Melt Temp: Copper 1,981°F (1,083°C; Tin 450°F (232°C)***

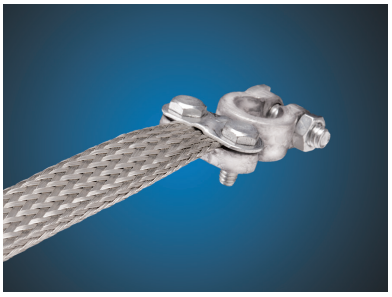


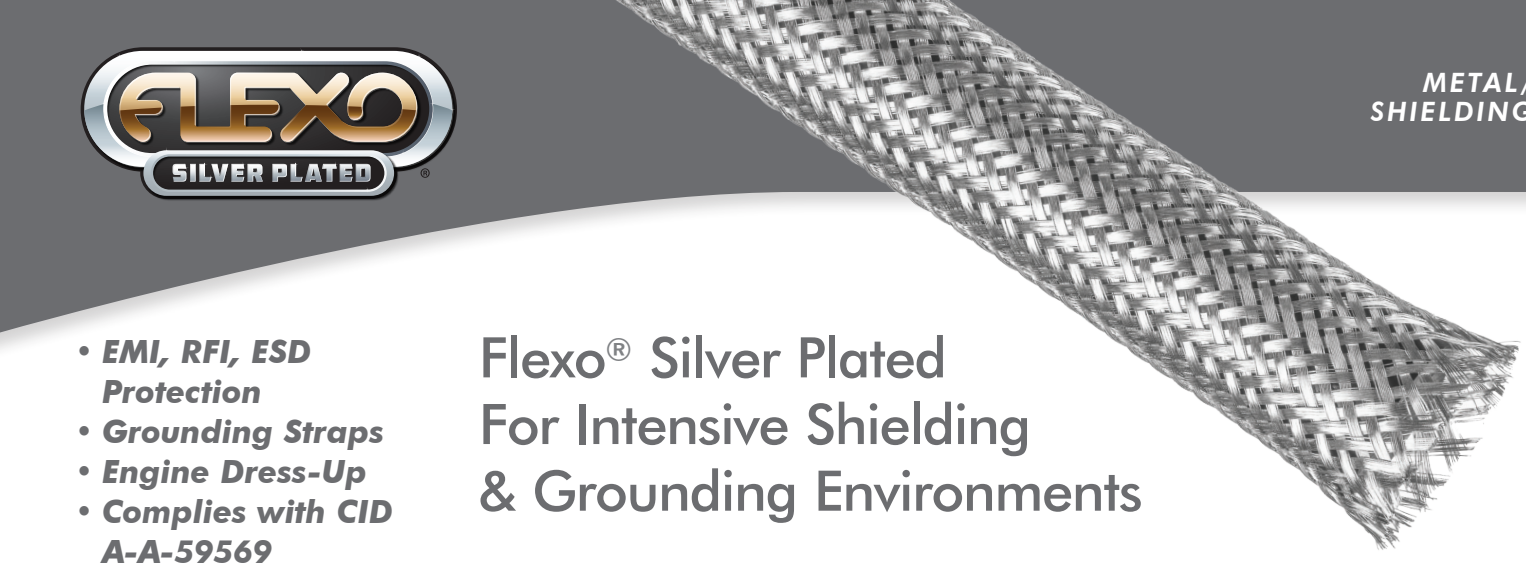
Nominal Size	Part #	AWG of Ends	Carriers	Wires per Carrier	Current Capacity Amps	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
						Bulk Spool	Shop Spool		
1/8″	MFN0.13SV	36	24	3	16	250′	100′	Silver (SV)	0.70
3/16″	MFN0.19SV	36	24	5	25	250′	100′	Silver (SV)	1.10
1/4″	MFN0.25SV	36	24	10	40	250′	100′	Silver (SV)	2.00
*3/8″	MFN0.38SV	36	48	6	40	250′	100′	Silver (SV)	2.40
5/8″	MFN0.63SV	36	48	8	53	100′	50′	Silver (SV)	3.60
3/4″	MFN0.75SV	36	48	18	88	100′	50′	Silver (SV)	7.70
*1″	MFN1.00SV	36	48	18	85	100′	50′	Silver (SV)	7.90
1 3/8″	MFN1.38SV	30	48	7	100	100′	50′	Silver (SV)	12.00
1 1/2″	MFN1.50SV	30	48	11	145	100′	50′	Silver (SV)	18.20
*2″	MFN2.00SV	30	48	28	255	100′	25′	Silver (SV)	46.10
*3″	MFN3.00SV	30	48	47	390	50′	25′	Silver (SV)	77.70

*Not on Spec - CID A-A-59569 (formerly Mil Spec QQB-575).



Flexo® Tinned Copper and Tinned Copper Flat are useful parts of grounding solutions worldwide.



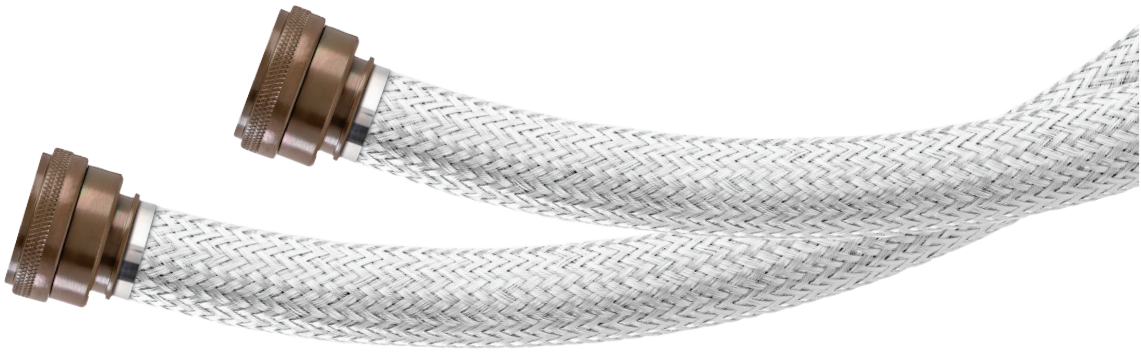


- ***EMI, RFI, ESD Protection***
- ***Grounding Straps***
- ***Engine Dress-Up***
- ***Complies with CID A-A-59569***
- ***Extreme Blowout Protection***
- ***Expands for Easy Installation***
- ***Cut and Abrasion Resistant***
- ***Melt Temp: Copper 1,981°F (1,083°C); Silver 1,762°F (961°C)***

Flexo® Silver Plated For Intensive Shielding & Grounding Environments

FLEXO® SILVER PLATED COPPER BRAID (MBS) is made to conform to AA59569 and ASTM-B298. MBS products are produced with a minimum plating thickness of 40 micro-inches. Federal Specification QQ-B-575C, dated September 22, 1993 was replaced on November 20, 2000 and replaced by Commercial Item Description (CID) A-A-59569. This CID covers tin- or silver-plated copper wire braids supplied in tubular or flat form intended for use as shielding over electrical conductors, controller contacts and grounding bonds. Silver plating, in lieu of tin plating, is necessary when the shielding is to be subjected to temperatures exceeding 302°F or if special corrosion resistance is required.









Nominal Size	Part #	AWG of Ends	Carriers	Wires per Carrier	Current Capacity Amps	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
						Bulk Spool	Shop Spool		
1/16″	MBS0.06SV	36	24	2	11	250′	100′	Silver (SV)	0.40
7/64″	MBS0.11SV	36	24	4	19	250′	100′	Silver (SV)	0.80
1/8″	MBS0.13SV	36	24	5	25	250′	100′	Silver (SV)	1.00
5/32″	MBS0.16SV	36	24	10	40	250′	100′	Silver (SV)	2.10
11/64″	MBS0.17SV	36	24	7	32	250′	100′	Silver (SV)	1.35
13/64″	MBS0.20SV	32	24	5	46	250′	100′	Silver (SV)	2.50
1/4″	MBS0.25SV	36	24	16	53	250′	100′	Silver (SV)	2.20
3/8″	MBS0.38SV	36	48	8	53	250′	100′	Silver (SV)	3.30
1/2″	MBS0.50SV	36	48	11	62	100′	50′	Silver (SV)	3.50
*5/8″	MBS0.63SV	34	48	8	64	100′	50′	Silver (SV)	3.60
25/32″	MBS0.78SV	36	48	18	88	100′	50′	Silver (SV)	7.35
7/8″	MBS0.88SV	30	48	7	100	100′	50′	Silver (SV)	10.30
1″	MBS1.00SV	30	48	8	120	100′	50′	Silver (SV)	13.15
1 1/8″	MBS1.13SV	30	48	9	130	100′	50′	Silver (SV)	13.80
*1 1/4″	MBS1.25SV	30	48	10	145	100′	50′	Silver (SV)	16.50
1 3/8″	MBS1.38SV	30	48	11	150	100′	50′	Silver (SV)	16.90
1 1/2″	MBS1.50SV	30	48	12	165	100′	50′	Silver (SV)	18.40
2″	MBS2.00SV	30	48	14	180	100′	50′	Silver (SV)	22.70
*2 1/4″	MBS2.25SV	30	48	16	190	100′	50′	Silver (SV)	23.60

*Not on Spec - CID A-A-59569 (formerly Mil Spec QQB-575).

Flexo® Brass Beauty Ideal for Both Looks & Functionality

Techflex® FLEXO® BRASS (MBB) can be a useful and beautiful part of your next project. The decorative features of brass are obvious, but many people don't know that brass is actually an alloy of copper and zinc.

Our brass is designed for both looks and functionality and can be adapted to create custom hoses and brake lines. Designers and engineers may also use our brass braid for its natural antimicrobial and germicidal properties. Contact with our Brass Braid can kill harmful microorganisms within minutes.

Flexo® Brass Braid has been used in "steampunk" creations of all kinds to bring the hoses of the industrial revolution back to life today.

- ***Perfect for Decorative Applications***
- ***Antimicrobial And Germicidal Properties***
- ***Provides Form And Functionality***
- ***Melt Temperature: 1,650°F-1,720°F (900°C-940°C)***







Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	MBB0.13BRS	.015″	1/8″	1/4″	250′	25′	Brass (BRS)	0.90
1/4″	MBB0.25BRS	.027″	1/4″	3/8″	100′	25′	Brass (BRS)	3.00
3/8″	MBB0.38BRS	.015″	3/8″	3/4″	100′	25′	Brass (BRS)	3.00
1/2″	MBB0.50BRS	.020″	1/2″	1″	100′	25′	Brass (BRS)	4.20

RoHS 3 Compliant



- ***Perfect For Grounding And Shielding***
- ***100% Copper Braid***
- ***Provides Excellent Current Transmission***
- ***Melt Temp: 1,981°F (1,083°C)***
- ***Wall Thickness 0.13″ - 0.38″***
- ***Halogen Free***
- ***Non Flammable***

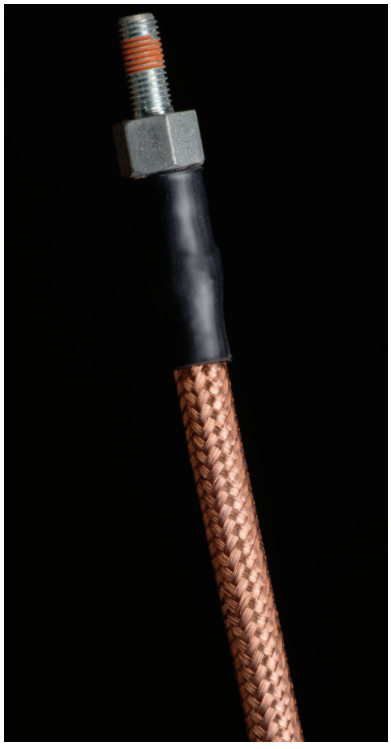
Bare Copper Braid for A Wide Variety Of Applications

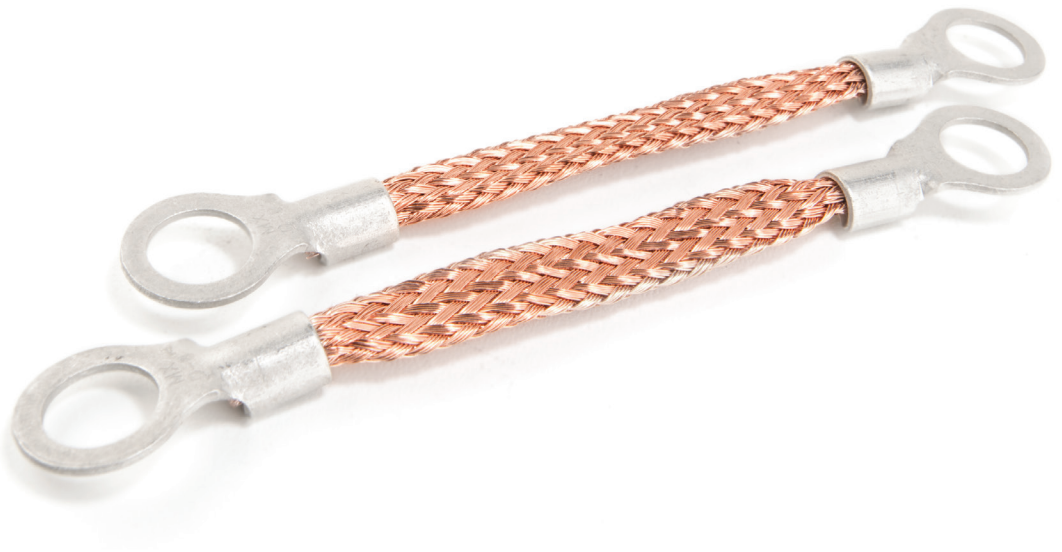
Techflex® high purity FLEXO® COPPER SLEEVE (MBC) is a 100% copper braid for grounding, shielding, and many other unique projects. Our copper series of metal braids are pure metal with no fillers or coating to provide many years of continuous use.

Our braid is suitable for hoses, wires, and other lines on a wide variety of applications. This product is intended for high flex, high temperature and environmentally tough conditions, making it appropriate for use in aerospace applications.



Techflex® Flexo® Bare Copper Braid will provide high flexibility and excellent current transmission for your demanding uses.





Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	MBC0.13CP	.015″	1/8″	1/4″	250′	25′	Copper (CP)	0.90
1/4″	MBC0.25CP	.025″	1/4″	3/8″	100′	25′	Copper (CP)	3.00
3/8″	MBC0.38CP	.018″	3/8″	3/4″	100′	25′	Copper (CP)	3.10
1/2″	MBC0.50CP	.020″	1/2″	1″	100′	25′	Copper (CP)	4.10
3/4″	MBC0.75CP	.025″	3/4″	1 1/4″	100′	25′	Copper (CP)	7.90
1″	MBC1.00CP	.040″	1″	1 3/4″	100′	25′	Copper (CP)	14.00
1 1/2″	MBC1.50CP	.055″	1 1/2″	2 1/8″	100′	25′	Copper (CP)	20.00
2 1/4″	MBC2.25CP	.060″	2 1/4″	3 3/16″	100′	25′	Copper (CP)	26.00



- ***Indestructible 304 Stainless Steel***
- ***Cuts with Shears or Serrated Scissors***
- ***Improves Burst Strength of Hoses***
- ***Won't Discolor or Rust***
- ***High Melt Temperature 2,650°F/1,450°C***
- ***Flexible and Resistant to Vibration***

Braided Stainless Steel, Pre-Rounded For Installation Ease

STAINLESS STEEL (SSN) braid looks great in any application and is as strong as steel. Now, you can take any stock or custom hose, slip a length of Flexo® Stainless over it, hide the cut ends under your clamps and have the same look and protection as custom overbraided hoses at a fraction of the cost. Braided Stainless Steel sleeving is used in applications where constant movement and high temperatures require a flexible, indestructible covering. Extremely high melt temperature makes this a great sleeving for automotive applications. Superior abrasion, chemical, and UV resistance make it great for outdoor applications.



Stainless Steel sleeving is used in applications such as expansion joints, where constant movement and high temperatures require a flexible, indestructible covering.





Contact your account representative for additional size information.

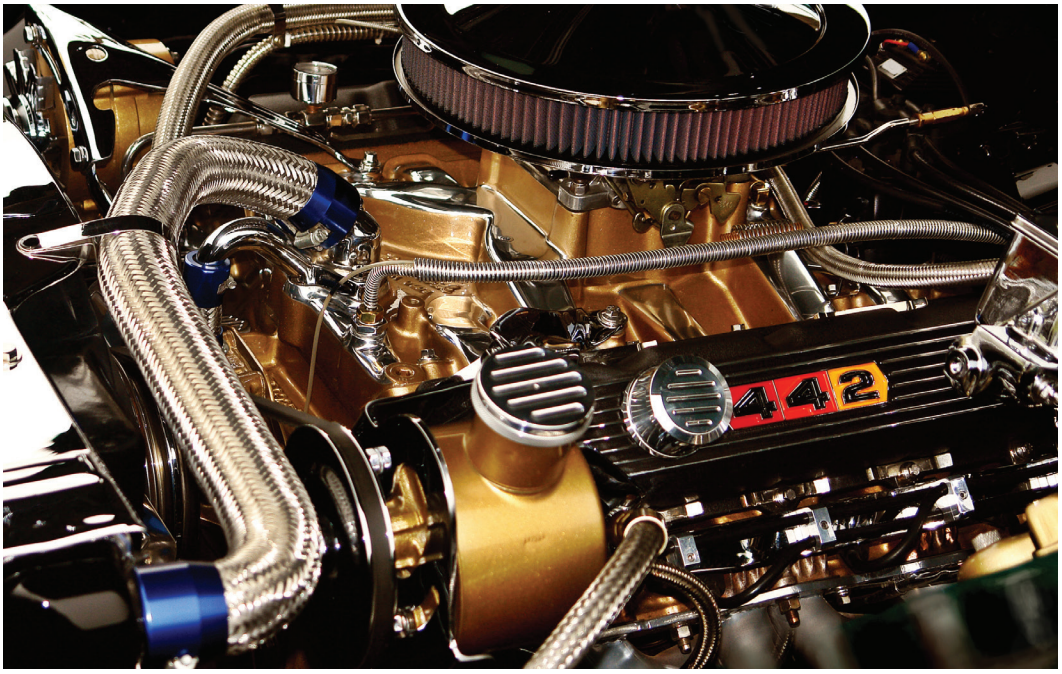
Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/2″	SSN0.50SV	.025″	1/4″	5/8″	100′	25′	Silver (SV)	4.00
5/8″	SSN0.63SV	.025″	3/8″	3/4″	100′	25′	Silver (SV)	5.00
3/4″	SSN0.75SV	.025″	1/2″	1″	100′	25′	Silver (SV)	5.00
1″	SSN1.00SV	.025″	3/4″	1 1/4″	100′	25′	Silver (SV)	11.00
1 1/4″	SSN1.25SV	.035″	1″	1 1/2″	100′	25′	Silver (SV)	19.00
1 3/4″	SSN1.75SV	.040″	1 1/2″	2 1/4″	100′	25′	Silver (SV)	31.00

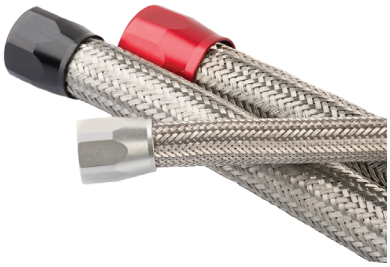
Braided Stainless Steel XC, Full Coverage On Any Application

Nothing protects hoses from wear and blowout quite like real Stainless Steel braid. It looks great in any application and is as strong as, well, steel. Custom hoses overbraided with stainless steel are expensive, selections are often limited, and production and delivery times can be an issue.

Our new full coverage Stainless Steel sleeving, FLEXO® STAINLESS XC (SSL), provides the same look and protection as custom built SS hoses at a fraction of the cost. Braided from 304 Stainless Steel filaments, Flexo® SS XC resists all common automotive chemicals, salt water, and it won't discolor or rust while providing an extreme level of abrasion protection on any application.

- ***Virtually Indestructible 304 Stainless Steel XC***
- ***Won't Discolor or Rust***
- ***Cuts with Shears or Serrated Scissors***
- ***Improves Burst Strength of Hoses***





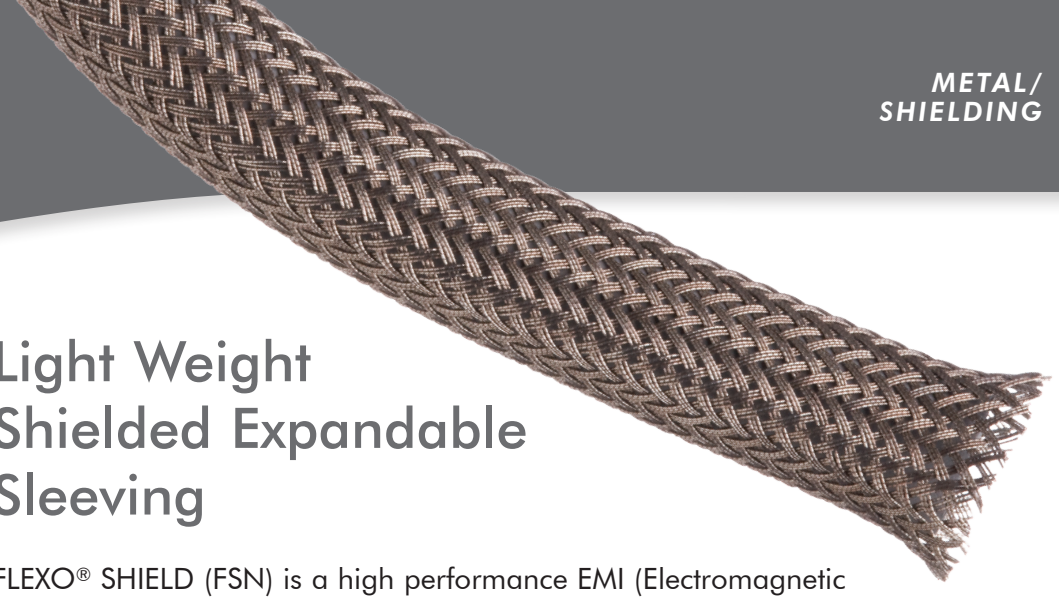
Stainless Steel XC gives full coverage on any application and slides onto hoses for that custom look.



Besides extreme toughness, braided Stainless Steel XC makes a decisive design statement, as in this line of high-end writing instruments from Porsche Design.

Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	SSL0.13SV	.013″	1/16″	11/32″	250′	100′	Silver (SV)	1.20
1/4″	SSL0.25SV	.013″	3/16″	13/32″	250′	100′	Silver (SV)	2.20
3/8″	SSL0.38SV	.013″	1/4″	5/8″	250′	100′	Silver (SV)	2.54
1/2″	SSL0.50SV	.013″	3/8″	3/4″	100′	50′	Silver (SV)	3.15
3/4″	SSL0.75SV	.013″	1/2″	1 1/4″	100′	50′	Silver (SV)	6.90
1″	SSL1.00SV	.025″	5/8″	1 5/16″	100′	50′	Silver (SV)	9.78
1 1/4″	SSL1.25SV	.025″	3/4″	1 3/4″	100′	50′	Silver (SV)	13.70
1 1/2″	SSL1.50SV	.025″	1″	2 1/8″	100′	50′	Silver (SV)	16.60

RoHS 2 Compliant

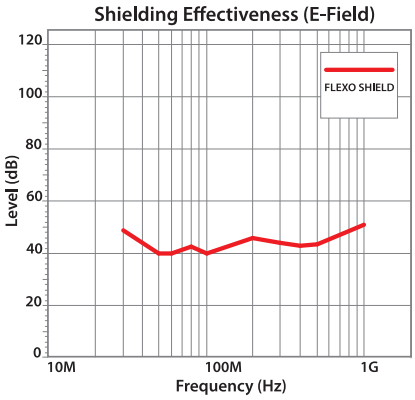


- ***Excellent EMI Shielding (1 MHz to 1 GHz)***
- ***Flame Retardant***
- ***Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Extremely Flexible and Lightweight***
- ***Temperature Range -40°F to 302°F***
- ***Cuts Easily with Scissors***

Light Weight Shielded Expandable Sleeving

FLEXO® SHIELD (FSN) is a high performance EMI (Electromagnetic Interference) shield, braided expandable sleeve. Flexo® Shield is cut and abrasion resistant, flexible and lightweight. With its high temperature Aramid fiber core and special construction, Flexo® Shield can expand and contract to create a perfect fit. Flexo® Shield braided fibers create a sleeve that provides good EMI protection, high coverage, and easy installation.

Techflex® Flexo® Shield is great for applications where light weight and high performance are needed. Such applications may include computer systems, electronic office equipment, medical electronics, communication systems and many more. The product is intended for high flex, high temperature, and environmentally tough conditions, therefore making it appropriate for several aerospace applications.







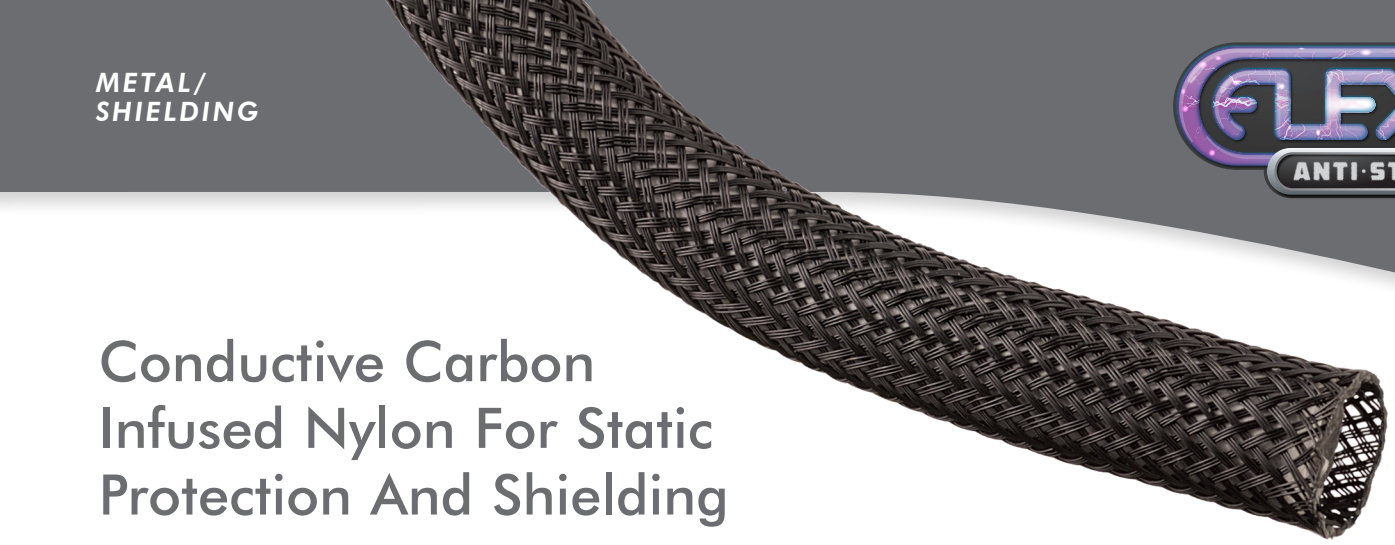
Flexo® Shield can provide end-to-end shielding solution on your application.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
*1/8″	FSN0.13SV	1/16″	1/4″	328′	164′	Silver (SV)	0.74
*3/8″	FSN0.38SV	1/4″	1/2″	328′	164′	Silver (SV)	1.38
*1/2″	FSN0.50SV	3/8″	3/4″	328′	164′	Silver (SV)	2.09
*3/4″	FSN0.75SV	1/2″	1″	328′	164′	Silver (SV)	2.80
1″	FSN1.00SV	3/4″	1 1/4″	328′	164′	Silver (SV)	2.90
1 1/4″	FSN1.25SV	1″	1 1/2″	328′	164′	Silver (SV)	3.40
1 1/2″	FSN1.50SV	1 1/4″	1 3/4″	328′	164′	Silver (SV)	3.90

*VW-1 sizes 1/8" - 3/4"

VW-1



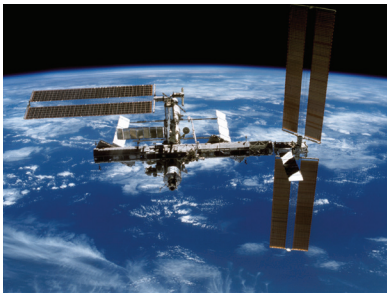
Conductive Carbon Infused Nylon For Static Protection And Shielding

FLEXO® ANTI-STAT (CNN) is braided from 11 mil carbonized nylon monofilament yarn. Flexo® Anti-Stat is designed to protect sensitive wiring from abrasion while shielding it from high frequency noise. Many successful applications have utilized this sleeving for maintaining clean video signals, interference filtering in pro sound environments, and RF filtering on power cables and outputs. CNN is also useful in static sensitive environments.

Flexo® Anti-Stat utilizes a patented carbonization process which infuses our braided sleeving with a microscopic carbon compound that is virtually indistinguishable from the base material. The result is a strong, long lasting jacket that is ready for the most sensitive applications.

- ***ESD Management Solution***
- ***EMI, RFI Protection***
- ***Economical and Easy to Install***
- ***Cut & Abrasion Resistant***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***





Clean signals without excessive noise can be achieved with properly isolated cables and wires.

"Techflex® assures maximum protection for delicate video and data lines."

Tim Daly - Emmy Award Winning Engineer
InterTest - www.intertestinc.com



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	CNN0.13BK	3/32″	1/4″	1,000′	225′	Black (BK)	0.35
1/4″	CNN0.25BK	1/8″	7/16″	1,000′	200′	Black (BK)	0.40
3/8″	CNN0.38BK	3/16″	5/8″	500′	125′	Black (BK)	0.60
1/2″	CNN0.50BK	1/4″	3/4″	500′	100′	Black (BK)	0.68
5/8″	CNN0.63BK	3/8″	1″	500′	100′	Black (BK)	0.96
3/4″	CNN0.75BK	1/2″	1 1/4″	250′	75′	Black (BK)	1.00
1″	CNN1.00BK	5/8″	1 5/8″	250′	65′	Black (BK)	1.20
1 1/4″	CNN1.25BK	3/4″	1 3/4″	250′	50′	Black (BK)	1.65
1 1/2″	CNN1.50BK	1″	2 1/2″	200′	40′	Black (BK)	2.20

RoHS 2 Compliant

Clean Cut® FR, Scissor Cut For Field Installation, Will Not Support Combustion

- ***Complies to HL2 according to the railway standard DIN EN 45545-2***
- ***VW-1, Mil-202 Approved***
- ***Cut and Abrasion Resistant***
- ***Expands for Ease of Installation***
- ***Halogen Free***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***

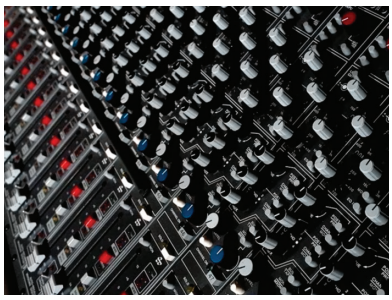
CLEAN CUT® FLAME RETARDANT (CCF) has all of the same qualities that make our standard CC so easy to cut and install, with the added advantage of a flame inhibitor to provide an extra level of safety in certain applications.

Under normal conditions, Clean Cut® FR will quickly self-extinguish and minimize flame spread and incidental damage to surrounding components.

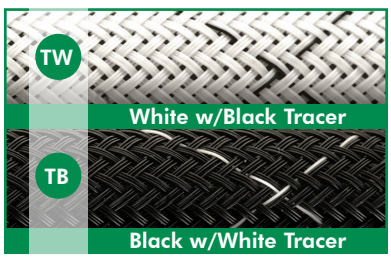
The combination of flame retardance, ease of installation, and nearly complete coverage makes Clean Cut® FR an ideal solution for many industrial and advanced engineering applications.



Clean Cut® FR is a common harness material for both military and civilian aircraft.



Pro AV installers can incorporate CCF into cabling designs for concert, studio, and nightclub installations.





Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	CCF0.13	1/8″	1/4″	1,000′	100′	TW & TB	0.40
1/4″	CCF0.25	5/32″	7/16″	1,000′	100′	TW & TB	0.46
3/8″	CCF0.38	3/16″	5/8″	500′	100′	TW & TB	0.74
1/2″	CCF0.50	1/4″	3/4″	500′	100′	TW & TB	0.82
3/4″	CCF0.75	5/8″	1″	250′	75′	TW & TB	1.11
1″	CCF1.00	3/4″	1 3/16″	250′	50′	TW & TB	1.24
1 1/4″	CCF1.25	1″	1 1/2″	250′	50′	TW & TB	1.56
1 1/2″	CCF1.50	1 1/4″	2″	250′	50′	TW & TB	1.85
1 3/4″	CCF1.75TB	1 1/2″	2 1/8″	200′	50′	TB	2.30
2″	CCF2.00TB	1 3/4″	2 1/2″	200′	50′	TB	2.80

FLEXO FLAME RETARDANT



Flexo® Flame Retardant, Economical Sleeving Solution

FLEXO® FLAME RETARDANT (FRN) sleeving is the perfect choice for electronic and high tech applications where flame retardance and durability are primary concerns. Ease of installation makes Flexo® FR an efficient choice for long runs of wire or cable.

The addition of an organic combustion inhibitor to our standard polyethylene terephthalate gives Flexo® FR an Underwriters Lab and CSA flame resistance rating of VW-1.



- ***Complies to HL2 according to the railway standard DIN EN 45545-2***
- ***VW-1 Approved***
- ***Mil-202, FAR 25, FMVSS 302***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	FRN0.13	3/32″	1/4″	1,000′	225′	BK,TW,GW,TB,YS,OS,SP	0.16
1/4″	FRN0.25	1/8″	7/16″	1,000′	200′	BK,TW,GW,TB,YS,OS,SP	0.24
5/16″	FRN0.31	5/32″	15/32″	500′	150′	BK,TW,GW,TB,YS,OS,SP	0.50
3/8″	FRN0.38	3/16″	1/2″	500′	125′	BK,TW,GW,TB,YS,OS,SP	0.57
7/16″	FRN0.44	7/16″	5/8″	500′	125′	BK,TW,GW,TB,YS,OS,SP	0.68
1/2″	FRN0.50	1/4″	3/4″	500′	100′	BK,TW,GW,TB,YS,OS,SP	0.72
9/16″	FRN0.56	5/16″	7/8″	500′	100′	BK,TW,GW,TB,YS,OS,SP	0.81
3/4″	FRN0.75	1/2″	1 1/4″	250′	75′	BK,TW,GW,TB,YS,OS,SP	1.07
1″	FRN1.00	5/8″	1 5/8″	250′	65′	BK,TW,GW,TB,YS,OS,SP	1.34
1 1/4″	FRN1.25	3/4″	1 3/4″	250′	50′	BK,TW,GW,TB,YS,OS,SP	1.60
1 1/2″	FRN1.50	1″	2 1/8″	200′	40′	BK,TW,GW,TB,YS,OS,SP	1.96
1 3/4″	FRN1.75	1 1/4″	2 3/4″	200′	30′	BK,TW,GW,TB,YS,OS,SP	2.70
2″	FRN2.00	1 1/2″	3 1/2″	200′	50′	BK,TW,GW,TB,YS,OS,SP	3.30
2 1/2″	FRN2.50	1 3/4″	3 5/8″	200′	50′	BK,TW,GW,TB,YS,OS,SP	3.80
3″	FRN3.00	2 1/2″	4 3/4″	100′	50′	BK,TW,GW,TB,YS,OS,SP	4.00
3 End Construction							
1/4″	FR30.25TB	1/8″	3/8″	1,000′	200′	TB, GW, & TW	0.39

RoHS 2011/65/EU Compliant · CSA · UL VW-1 FAR-25 ABYC

F6 WOVEN WRAP FLAME RETARDANT



- ***Complies to HL1 & HL2 according to the railway standard DIN EN 45545-2***
- ***High Coverage, Self-Wrapping Design***
- ***UL and VW-1***
- ***Passes Smoke Density Test ASTM E-662***
- ***Passes Surface Flammability Test ASTM E-162***
- ***Passes Smoke Toxicity Test SMP 800-C***
- ***Melt Temp. 482°F***

Woven, Flame Retardant Split Tubular Harness Wrap

F6® WOVEN WRAP FR (F6V) is a VW-1 rated version of our industry recognized F6 Woven Wrap, with the added advantage of a flame inhibitor to provide an extra level of safety. It utilizes many of the same characteristics as our original F6® split braided sleeving including the easy wrap around design and the extra overlap to ensure complete protection of important electronic communication and power systems.

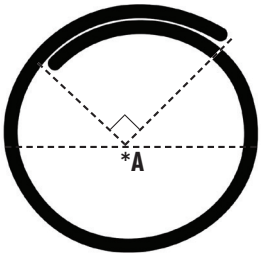
The new woven construction provides superior elastic flexibility with unbeatable coverage over any harness assembly. Through a unique process, the blend of monofilament and multifilament polyester fibers are formed into a sleeving with memory that causes the sleeve to self-close, and also snap back when opened. The combination of flame retardance, ease of installation, and complete coverage makes F6® Woven FR an ideal solution for many commercial and aerospace applications.





F6® Woven FR is designed to defend and contain wires in difficult environments.





The engineered overlap allows ideal flexibility without exposing wires and cables.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups			Available Colors	Overlap *A	Lbs/ 100'
			Bulk Box	Box A	Box B			
3/16"	F6V0.19TB	.027"	3,000'	500'	100'	Black w/White Tracer (TB)	51%	0.80
3/8"	F6V0.38TB	.027"	2,000'	250'	100'	Black w/White Tracer (TB)	41%	1.20
1/2"	F6V0.50TB	.027"	1,500'	200'	75'	Black w/White Tracer (TB)	35%	1.60
3/4"	F6V0.75TB	.027"	1,000'	150'	50'	Black w/White Tracer (TB)	28%	2.50
1"	F6V1.00TB	.027"	460'	100'	50'	Black w/White Tracer (TB)	26%	3.20
1 1/4"	F6V1.25TB	.027"	330'	75'	25'	Black w/White Tracer (TB)	25%	3.70
1 1/2"	F6V1.50TB	.027"	260'	50'	25'	Black w/White Tracer (TB)	23%	4.80



ABYC VW-1 RoHS Compliant

1 (833) SLEEVING
www.techflex.com



Flexible, Semi-Rigid Split Sleeving Will Not Support Combustion

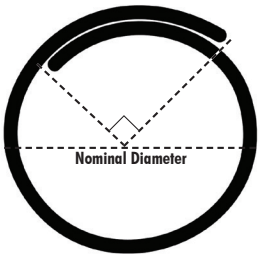
Flame spread is a vital safety consideration in applications as diverse as home built aircraft wiring and safely managing sound & lighting cables at clubs, concerts, and theaters. To address these issues, and to provide unequaled flexibility and access, we have developed this unique sleeving product.

Self-extinguishing F6® FLAME RETARDANT (F6F) fully complies with UL standard VW-1. The addition of an organic flame inhibitor to our triaxially braided F6® split sleeving provides the perfect solution to a wide range of cable management needs.

Easy slip over installation, complete access along the entire run, economy, durability, and UL certified flame retardance make F6F ideal when the goal is to manage wires and cables safely and effectively.



- ***Complies to HL2 according to the railway standard DIN EN 45545-2***
- ***Wraparound Without Fasteners***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 446°F***



The large overlap allows easy installation over splices and inline connectors without exposing wires and cables.



Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups			Available Colors	Lbs/ 100′
			Bulk Box	Box A	Box B		
1/8″	F6F0.13TB	.024″	10,000′	400′	100′	Black w/White Tracer (TB)	0.47
1/4″	F6F0.25TB	.025″	3,000′	200′	100′	Black w/White Tracer (TB)	0.60
3/8″	F6F0.38TB	.025″	1,200′	150′	75′	Black w/White Tracer (TB)	1.20
1/2″	F6F0.50TB	.025″	800′	150′	75′	Black w/White Tracer (TB)	1.40
3/4″	F6F0.75TB	.025″	500′	100′	50′	Black w/White Tracer (TB)	1.60
1″	F6F1.00TB	.038″	400′	100′	50′	Black w/White Tracer (TB)	2.00
1 1/4″	F6F1.25TB	.038″	250′	75′	25′	Black w/White Tracer (TB)	2.40
1 1/2″	F6F1.50TB	.038″	200′	75′	25′	Black w/White Tracer (TB)	2.70
2″	F6F2.00TB	.038″	150′	50′	25′	Black w/White Tracer (TB)	3.60



Accepted for use by major aircraft manufacturers.

RoHS Compliant VW-1 FAR-25 ABYC



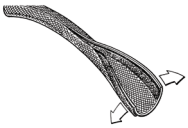
- **VW-1, Mil-202, Approved**
- **Economical and Easy to Install**
- **Cut and Abrasion Resistant**
- **Hook and Loop Closure For Easy® & Repeatable Access**
- **Temperature Range -94°F to 257°F**
- **Melt Temp. 482°F**

Easy On, Easy Off Access Will Not Support Combustion

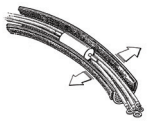
FLAME RETARDANT FLEXO® WRAP (FWF) provides the same hook and loop wire management flexibility as our standard Flexo® Wrap along with the added safety feature of an organic flame inhibitor to provide an additional level of security.

FWF is a safe, economical solution for a wide range of cable management applications where moderate levels of flame protection are needed.

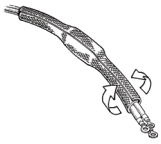




FLEXO® WRAP FR is designed for quick and easy management of wire, cable, and hose assemblies. Just separate the hook and loop fasteners along the edge of the material....



and slip the entire length of FWF around or under your harness or component assembly. The wide expandability range allows FWF to easily fit around...



odd-shaped connectors and gently constrict around the diameter of your wires. When the FWF is in place, simply seal the hook and loop along the edges.



Nominal Size	Part #	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1/2″	FWF0.50TB	1/4″	100′	20′	Black w/White Tracer (TB)	1.30
3/4″	FWF0.75TB	5/8″	100′	15′	Black w/White Tracer (TB)	1.80
1 1/4″	FWF1.25TB	5/8″	100′	12′	Black w/White Tracer (TB)	2.30
2″	FWF2.00TB	5/8″	100′	10′	Black w/White Tracer (TB)	3.20
2 1/2″	FXF2.50TB	5/8″	100′	10′	Black w/White Tracer (TB)	3.75

1 (833) SLEEVING
www.techflex.com



VW-1 RoHS Compliant

FLEXO TIGHTWEAVE 9Mil FLAME RETARDANT



Tight Braid
For Fuller Coverage

FLEXO® TIGHT WEAVE FLAME RETARDANT sleeving was developed by and for aircraft manufacturers as a replacement for the standard FR grade. This sleeving material is constructed from tightly braided 9 mil flame retardant monofilament. The result is fuller coverage over wire harnesses. This allows for increased abrasion protection, a critical issue in the aviation industry.

The 9 mil monofilament is used instead of 10 mil in order to lessen the additional weight that results when the monofilament is tightly braided into sleeving material. We manufacture additional sizes to accommodate various wire harnesses up to 3″ in diameter.



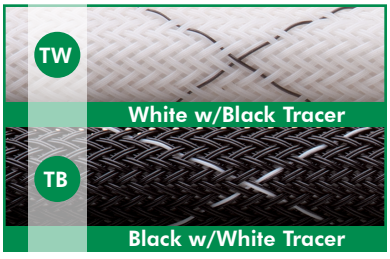
- ***VW-1, Mil-202, FAR 25 Approved***
- ***Resists Gasoline and Engine Chemicals***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***



Meets material specs for major airlines.



Lighter weight than standard tight weaves.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	F9T0.13	1/16″	7/32″	1,000′	225′	TW & TB	0.27
1/4″	F9T0.25	9/64″	13/32″	1,000′	200′	TW & TB	0.32
5/16″	F9T0.31	3/16″	7/16″	500′	125′	TW & TB	0.48
1/2″	F9T0.50	9/32″	5/8″	500′	100′	TW & TB	0.60
9/16″	F9T0.56	3/8″	5/8″	500′	100′	TW & TB	0.63
3/4″	F9T0.75	1/2″	1″	500′	75′	TW & TB	0.97
1″	F9T1.00	5/8″	1 1/4″	250′	65′	TW & TB	1.26
1 1/4″	F9T1.25	3/4″	1 3/4″	250′	50′	TW & TB	2.03
1 1/2″	F9T1.50	1″	1 7/8″	250′	40′	TW & TB	2.32
1 3/4″	F9T1.75	1 5/16″	2 3/16″	250′	30′	TW & TB	2.61
2″	F9T2.00	1 7/16″	2 3/8″	200′	50′	TW & TB	3.02
2 1/4″	F9T2.25	1 3/4″	2 11/16″	200′	50′	TW & TB	3.04
2 1/2″	F9T2.50	1 7/8″	3″	200′	50′	TW & TB	3.69

RoHS 2011/65/EU Compliant · CSA · UL · VW-1 · FAR-25 · ABYC · MAS Major Aircraft Specified

1 (833) SLEEVING
www.techflex.com



Very Low Outgassing, Self-Extinguishing UL-2024 Plenum Rated Sleeving

- ***Meets UL 2024***
- ***VW-1, FAR 25 Approved***
- ***Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Expands up to 150%***
- ***Resists Gasoline and Engine Chemicals***
- ***Temperature Range -103°F to 302°F***
- ***Melt Temp. 482°F***

FLEXO® HALAR® (HTN) self-extinguishing sleeving is used where flammability, high temperature endurance, and low outgassing are primary concerns. Flexo® Halar® is braided from 11 mil ethylene chlorotrifluoroethylene (ECTFE) copolymer monofilament. Because of its low flame spread and smoke generation properties, HTN meets UL 2024 and NFPA 262 plenum specifications, UL flame resistance rating of VW-1, and exceeds automotive industry requirements of FMVSS 302, as well as aviation industry requirements of FAR 25.

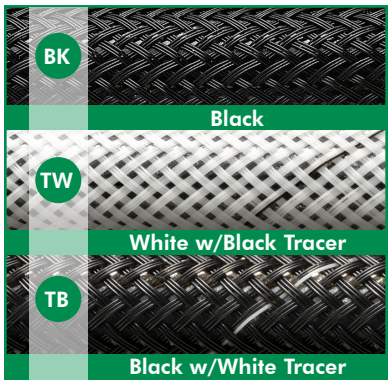
HTN resists a wide range of corrosive chemicals and organic solvents, including strong acids, chlorine, and aqueous caustics. HALAR® ECTFE also maintains useful properties on exposure to cobalt 60 radiation at doses up to 200 megarads.



Halar's® low outgassing, as well as its heat, chemical, and radiation properties, make it ideal for use as a component in technologically advanced applications.



Many telecommunications companies rely on Flexo Halar® for their plenum wiring systems.





UL 2024 supersedes UL 910 standard for Cable Management products.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	HTN0.13	3/32″	1/4″	1,000′	225′	BK, TW, TB	0.25
1/4″	HTN0.25	1/8″	7/16″	1,000′	200′	BK, TW, TB	0.38
3/8″	HTN0.38	3/16″	5/8″	500′	125′	BK, TW, TB	0.86
1/2″	HTN0.50	1/4″	3/4″	500′	100′	BK, TW, TB	1.10
3/4″	HTN0.75	1/2″	1 1/4″	250′	75′	BK, TW, TB	1.70
1″	HTN1.00	5/8″	1 5/8″	250′	65′	BK, TW, TB	2.20
1 1/4″	HTN1.25	3/4″	1 3/4″	250′	50′	BK, TW, TB	2.60
1 3/4″	HTN1.75	1 1/4″	2 3/4″	200′	30′	BK, TW, TB	4.40
2″	HTN2.00	1 1/2″	3 1/2″	200′	50′	BK, TW, TB	4.60

Halar® is a registered trademark of the Solvay Solexis Corporation.

1 (833) SLEEVING
www.techflex.com

MAS Major Aircraft Specified **VW-1** **Plenum** **FAR-25**



High Temp Stable, Abrasion Resistant, Low Outgassing

FLEXO® PFA (TFN) expandable sleeving is ideal in applications where flame, chemical, and very high temperature resistance are significant considerations. Our Flexo® PFA sleeving meets current aviation/aerospace specifications.

The high temperature properties of TFN make it the ideal choice for aerospace, military, and high-tech applications where thermal stability and low outgassing are critical. TFN is suitable for plenum applications. TFN is braided from 16 mil perfluoroalkoxy (PFA) polymer monofilament.

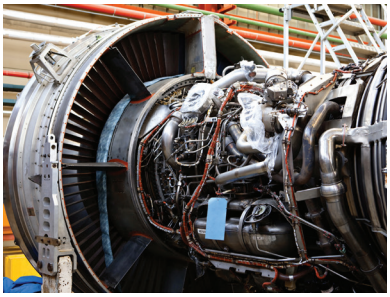
Flexo® PFA is designed for applications up to 550°F where low flammability and chemical resistance are needed. Its wide operating temperature, however, allows it to retain flexibility even at low temperatures. Flexo® PFA is now available in BLACK, in addition to the standard NATURAL.

- ***Plenum Suitable***
- ***FAR 25 Approved***
- ***Cut and Abrasion Resistant***
- ***Expands up to 150%***
- ***Resists Gasoline and Other Chemicals***
- ***Temperature Range -94°F to 550°F***
- ***Melt Temp. 590°F***



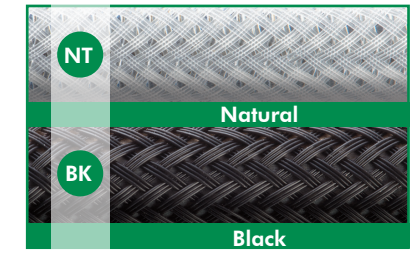


Cabling in passenger area plenums aboard aircraft are a perfect application for Flexo® PFA's low outgassing properties.



High temperature resistance allows Flexo® PFA sleeving to function in high-temp environments.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	TFN0.13	3/32″	1/4″	1,000′	225′	NT & BK	0.50
1/4″	TFN0.25	3/16″	3/8″	1,000′	200′	NT & BK	0.68
3/8″	TFN0.38	1/4″	3/4″	500′	125′	NT & BK	2.20
1/2″	TFN0.50	3/8″	7/8″	500′	100′	NT & BK	2.60
3/4″	TFN0.75	5/8″	1 1/4″	250′	75′	NT & BK	2.90
1 1/4″	TFN1.25	1 1/8″	1 1/2″	200′	50′	NT & BK	4.80
1 3/4″	TFN1.75	1 3/8″	1 3/4″	200′	50′	NT & BK	5.50
2″	TFN2.00	1 11/16″	2 1/8″	200′	25′	NT & BK	6.40



RoHS Compliant

FAR-25 MAS Major Aircraft Specified



1 (833) SLEEVING
www.techflex.com

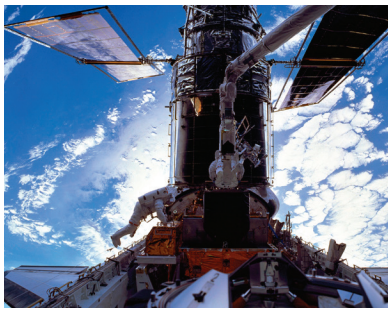


Ultra Lightweight, High-Temp Tolerant And Virtually Impervious To Chemical Degradation

- ***FAR 25 Approved***
- ***Ultra Light Weight***
- ***Highly Abrasion Resistant***
- ***Expands up to 150%***
- ***Resists Acids, Bases, Solvents, and Fuels***
- ***Temperature Range -94°F to 392°F***
- ***Melt Temp. 545°F***

FLEXO® PPS (RYN) expandable sleeving is used in high temperature, flame resistant wire harnesses and cable assemblies. Flexo® PPS is an extremely lightweight sleeving, resistant to high temperatures, and virtually impervious to solvents. Flexo® PPS is ideal for aerospace, telecom, and military applications. It meets many engineering goals including: chemical resistance, high temperature stability, zero moisture absorption, excellent dimensional stability, and ultra-low wear.

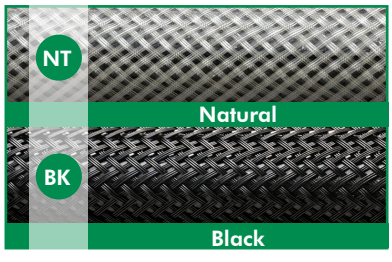
Flexo® PPS is braided from 8 mil flame resistant PolyPhenylene Sulfide (PPS) monofilament fibers. Flexo® PPS offers the broadest resistance to chemicals of any advanced engineering plastic. The material resists all known solvents below 392°F and is inert to steam, strong bases, fuels, and acids.



A true aerospace material, Flexo® PPS is ideal in satellite applications where weight and stability are of primary importance.



Flame resistance, strength, and low weight make Flexo® PPS sleeving the first choice in high-tech aeronautic design specifications.





Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	RYN0.13	3/32″	1/4″	1,000′	225′	NT & BK	0.21
1/4″	RYN0.25	1/8″	3/8″	1,000′	200′	NT & BK	0.36
1/2″	RYN0.50	1/4″	3/4″	500′	100′	NT & BK	0.59
3/4″	RYN0.75	1/2″	1 1/4″	250′	75′	NT & BK	0.75
1 1/4″	RYN1.25	3/4″	1 3/4″	250′	50′	NT & BK	1.30
1 3/4″	RYN1.75	1 1/4″	2 1/2″	200′	50′	NT & BK	1.60
2″	RYN2.00	1 5/16″	2 3/8″	200′	50′	NT & BK	2.00
10 Mil Construction							
1/8″	RZH0.13NT	1/8″	9/32″	1,000′	225′	Natural (NT)	0.26

1 (833) SLEEVING
www.techflex.com

MPS Major Aircraft Specified UL94 V-0 FAR-25 RoHS Compliant



Secures Performance Of Sensitive Items In Challenging Environments

Similar to PPS, but with a substantially expanded operating temperature range, FLEXO PEEK® (PKN) (PolyEtherEther-Ketone) is a high performance advanced polymer with outstanding physical properties. PEEK® is inherently flame retardant, with a V-0 flammability rating, will withstand continuous use in superheated water or steam up to 500°F, and resists most acids, solvents, and bases.

Flexo® PEEK® is FDA approved as a food contact product, resists damage from radiation, and will continue to perform in UHV (Ultra High Vacuum) environments. Flexo® PEEK® is extensively used in the aerospace, automotive, teletronic, and chemical process industries, and is considered an advanced biomaterial used in medical implants and other biomedical applications. Flexo® PEEK® will withstand thousands of sterilization cycles without damage or degradation.

Flexo® PEEK® expandable sleeving is tightly braided from 10 mil filaments of pure, unfilled PEEK® polymer. The sleeving expands to fit over connectors and splices, and provides full coverage over wires hoses and cable bundles in advanced engineering applications.



- ***High Chemical & Insoluble Resistance in Common Solvents***
- ***Very Light Weight***
- ***Excellent Strength in High Temperature & Harsh Environments***
- ***Low Outgassing***
- ***V-O Flammability Rating***
- ***Non-Corrosive and Non-Conductive***



PEEK® is one of industry's most chemically resistant plastics making it perfect for many challenging environments.



Exceptional chemical resistance to organics, acids and bases.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	PKN0.13BK	1/16″	5/16″	1,000′	225′	Black (BK)	0.16
1/4″	PKN0.25BK	7/64″	9/16″	1,000′	200′	Black (BK)	0.19
3/8″	PKN0.38BK	5/32″	5/8″	500′	125′	Black (BK)	0.31
1/2″	PKN0.50BK	3/16″	15/16″	500′	100′	Black (BK)	0.44
5/8″	PKN0.63BK	1/4″	1 1/4″	500′	100′	Black (BK)	0.51
3/4″	PKN0.75BK	3/8″	1 3/8″	250′	75′	Black (BK)	0.64

Contact your account representative for additional size information.

RoHS Compliant

PEEK® is a registered trademark of the Victrex Corporation.

UL94 V-O

1 (833) SLEEVING
www.techflex.com



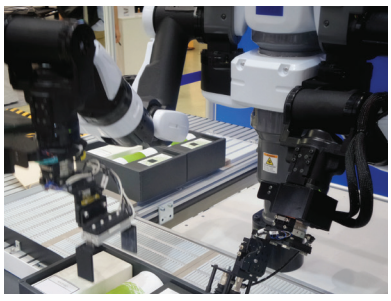
Premium Polymer Construction

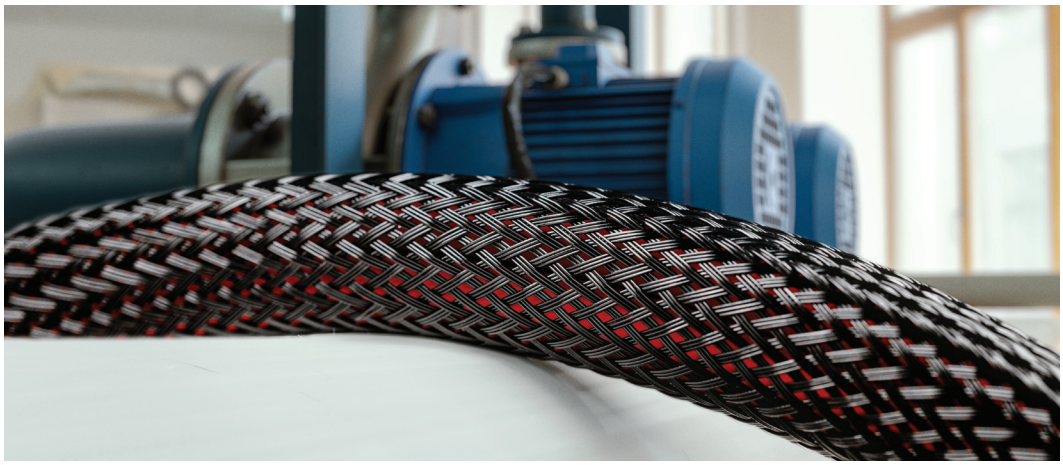
- ***Ultra Flexible***
- ***Base And Acid Resistant***
- ***Chemical Resistant***
- ***Resists Moisture***
- ***Expands up to 150%***
- ***Temperature Range -94°F to 257°F***
- ***Melt Temp. 482°F***

Flexo® Poly-Pro (PPN) was developed for applications where high flexibilty and specific chemical properties are a must. Made from Polypropylene, Flexo® Poly-Pro is a highly specialized polymer option for your next project. It will not break as a result of continual movement and will maintain its shape after many cycles of bending and flexing which makes it an ideal solution for many applications. Not only that, Flexo® Poly-Pro is also boasts resistance to a wide range of bases, acids, and moisture absorption. The lightweight polymer itself also has outstanding resistance to electrical current. For these reasons, Flexo® Poly-Pro is often used in water treatment applications and where direct exposure to a wide range of other environmental conditions are found. This sleeving is a cinch to install over long runs due to its high expansion and ultra-flexibility and cuts best with a hot knife.







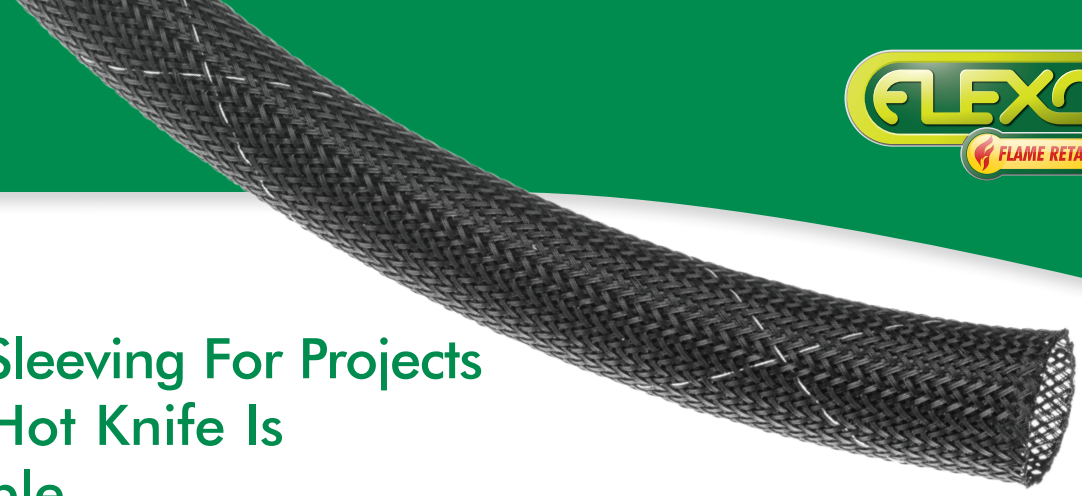


Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	PPN0.13BK	3/32″	1/4″	1,000′	225′	Black (BK)	0.20
1/4″	PPN0.25BK	1/8″	7/16″	1,000′	200′	Black (BK)	0.30
3/8″	PPN0.38BK	3/16″	1/2″	500′	125′	Black (BK)	0.57
1/2″	PPN0.50BK	1/4″	3/4″	500′	100′	Black (BK)	0.77
5/8″	PPN0.63BK	3/8″	1″	500′	100′	Black (BK)	0.95
3/4″	PPN0.75BK	1/2″	1 1/4″	250′	75′	Black (BK)	1.20
1″	PPN1.00BK	5/8″	1 5/8″	250′	65′	Black (BK)	1.34
1 1/4″	PPN1.25BK	3/4″	1 3/4″	250′	50′	Black (BK)	1.60
1 1/2″	PPN1.50BK	1″	2 1/8″	200′	40′	Black (BK)	1.96
1 3/4″	PPN1.75BK	1 1/4″	2 3/4″	200′	30′	Black (BK)	2.45
3″	PPN3.00BK	2 1/2″	4 3/4″	100′	50′	Black (BK)	4.00
3 End Construction							
2″	PP32.00BK	1 1/4″	3 1/8″	200′	50′	Black (BK)	1.13



RoHS Compliant

FLEXO FLAME RETARDANT PLUS



An Ideal Sleeving For Projects When A Hot Knife Is Inaccessible

FLEXO® FR PLUS (FRP) sleeving for electronic and high-tech applications incorporates the specialized resin coating and fray-resistance of FLEXO® PET Plus with the added benefit of flame retardant protection.It cuts easily and cleanly with ordinary scissors, making FLEXO® FR Plus ideal for projects when a hot knife is inaccessible. It has a wide operating temperature range resistant to chemical degradation, UV radiation and abrasion. Its organic combustion inhibitor additionally gives FLEXO® FR Plus a flame resistance rating of VW-1.

- ***Specialized Lightweight Resin Coating***
- ***Fray-Resistant Resin Coating Facilitates Easy Cutting w/Scissors***
- ***Expands up to 150%***
- ***Versatility of Installation***
- ***Complies to HL2 According to Railway Standard DIN EN 45545-2***
- ***Mil-202, FAR 25, FMVSS 302***
- ***Melt Temp. 482°F***





Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		TB Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	FRP0.13TB			1,000′	225	TB	
1/4″	FRP0.25TB	1/8″	7/16″	1,000′	200	TB	0.30
3/8″	FRP0.38TB	3/16″	1/2″	500′	125	TB	0.60
1/2″	FRP0.50TB	1/4″	3/4″	500′	100	TB	0.80
3/4″	FRP0.75TB	1/2″	1 1/4″	250′	75	TB	1.20
1 1/4″	FRP1.25TB			250′	50	TB	
1 1/2″	FRP1.50TB	1″	2 1/2″	250′	40	TB	2.10
1 3/4″	FRP1.75TB	1 1/4″	2 3/4″	250′	30	TB	2.70
2″	FRP2.00TB	1 3/4″	3 5/8″	200′	50	TB	2.70
2 1/2″	FRP2.50TB					TB	



RoHS 2 Compliant **VW-1** **FAR-25** **DIN EN 45545-2**

FLEXO HeliX2 pps / peek

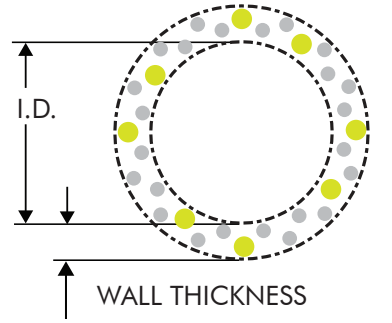


The Future of Flame Resistant Sleeving is Here

- ***High Chemical & Insoluble Resistance in Common Solvents***
- ***Very Light Weight***
- ***Excellent Strength in High Temperature & Harsh Environments***
- ***Low Outgassing***
- ***V-O Flammability Rating***
- ***Non-Corrosive and Non-Conductive***

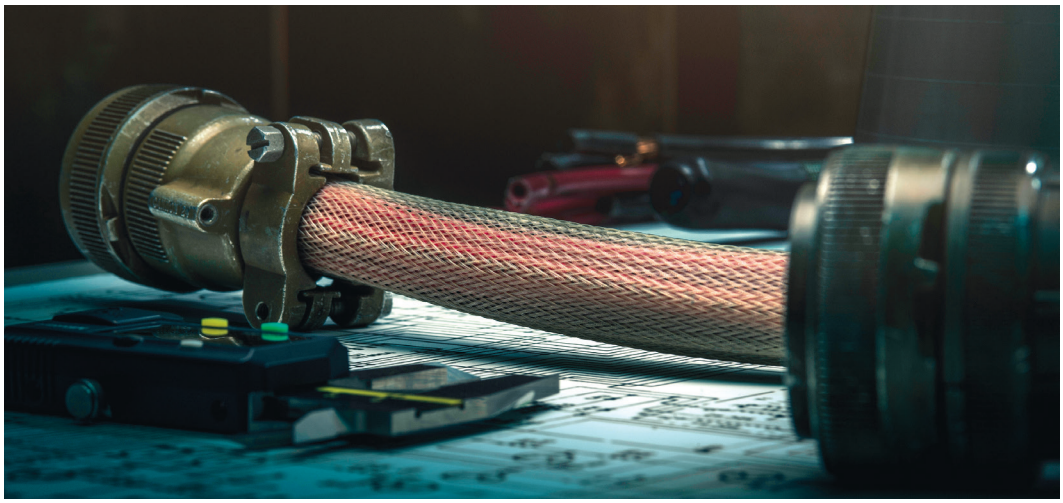
HELIX2 (PKRY) - one highly advanced flame resistant expandable sleeving engineered with two highly advanced materials. HeliX2's unique braid is comprised of 8 mil flame resistant PolyPhenylene Sulfide (PPS) monofilament fibers and 10 mil filaments of pure, unfilled PolyEtherEther-Keytone (PEEK®) polymer making it one of the most advanced flame restistant braided sleeves on the market.

HeliX2 (PKRY) is the perfect choice when high temperature, flame resistant wire harnessing and cable assemblies are imperative. It is lightweight, resistant to high heat, and essentially immune to chemicals and solvents. HeliX2 (PKRY) meets or exceeds many engineering standards including Chemical resistance, high temperature stability, zero moisture absorption, dimensional stability, and ultra-low wear — making it ideal for aerospace, telecom, and military applications. This exclusive construction offers the broadest resistance to chemicals of any of our advanced engineering products resulting in resistance to all known solvents below 392°F and being inert to steam, strong bases, fuels, and acids.

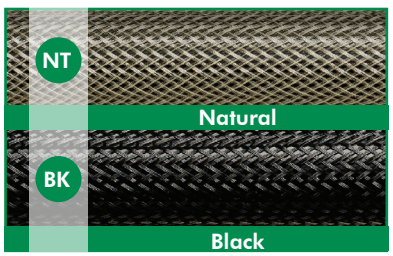




It is lightweight, resistant to high heat, and essentially immune to chemicals and solvents.



Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100′
		Min.	Max.				
1/8″	PKRY0.13	3/32″	1/4″	1,000′	225′	NT & BK	0.11
1/4″	PKRY0.25	1/8″	3/8″	1,000′	200′	NT & BK	0.29
3/8″	PKRY0.38	3/16″	3/4″	500′	125′	NT & BK	0.43
1/2″	PKRY0.50	1/4″	7/8″	500′	100′	NT & BK	0.57
3/4″	PKRY0.75	1/2″	1 3/8″	250′	75′	NT & BK	0.91
1 1/4″	PKRY1.25	5/8″	1 3/4″	250′	50′	NT & BK	1.22
1 3/4″	PKRY1.75	3/4″	2 1/4″	250′	50′	NT & BK	2.13
2″	PKRY2.00	1 1/2″	2 1/4″	200′	50′	NT & BK	3.00
2 1/2″	PKRY2.50	1 7/8″	3″	200′	50′	NT & BK	3.30



1 (833) SLEEVING
www.techflex.com



Major Aircraft Specified

RoHS Compliant

ULTIMATE FR



Meets More Specs and Standards

FLEXO® ULTIMATE FR (UFR) sleeving is the ultimate choice for high tech applications such as aerospace, telecom, and military where flame retardance and durability are a top priority. All of the same great features of our Flexo® FR with new additional engineering to have it meet more specs and more standards.

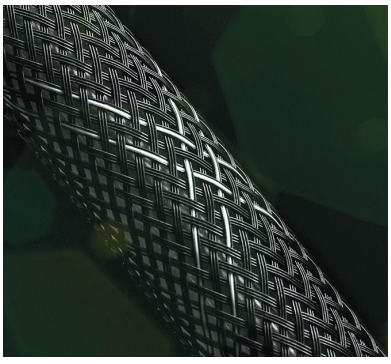
The high expansion rate of UFR makes for easy and efficient installs. Chemical resistant, high temperature stabile, and abrasion resistant. Ultimate FR — when "yes" is the only answer!

- ***Expands Up To 150%***
- ***Resists Gasoline And Engine Chemicals***
- ***Easy To Install***
- ***Cut And Abrasion Resistant***
- ***Halogen Free***
- ***Cuts Cleanly With Hot Knife***





Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	UFR0.25TB	1/8″	7/16″	1,000′	200′	Black w/White Tracer (TB)	0.26
3/8″	UFR0.38TB	1/4″	5/8″	500′	125′	Black w/White Tracer (TB)	0.57
1/2″	UFR0.50TB	3/8″	15/16″	500′	100′	Black w/White Tracer (TB)	0.72
3/4″	UFR0.75TB	1/2″	1 1/4″	250′	75′	Black w/White Tracer (TB)	1.07
1″	UFR1.00TB	5/8″	1 3/4″	250′	65′	Black w/White Tracer (TB)	1.34
1 1/4″	UFR1.25TB	3/4″	1 7/8″	250′	50′	Black w/White Tracer (TB)	1.60
10 End Construction							
1/4″	UFR30.25TB	1/8″	3/4″	1,000′	200′	Black w/White Tracer (TB)	0.39



RoHS Compliant

VW-1



- ***Soft, Pliable & Strong***
- ***Cut And Abrasion Resistant***
- ***Protects To 662°F***
- ***Halogen Free***
- ***Resists Gasoline And Engine Chemicals***
- ***Cut Easily With Scissors***

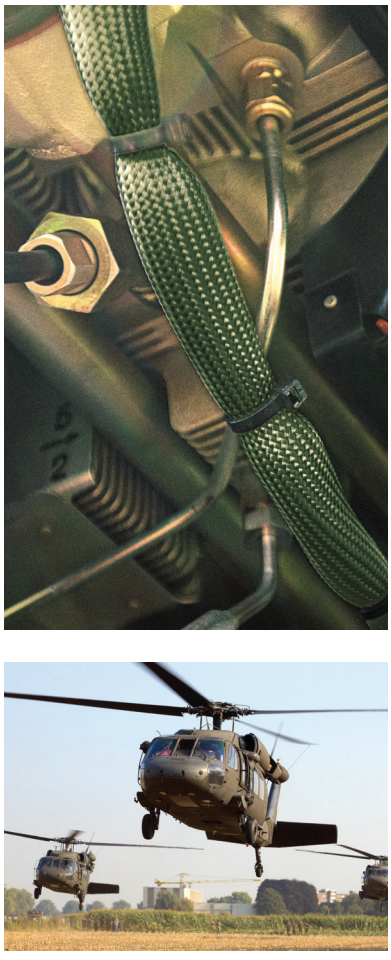
Soft, Pliable Flame Protection To 662°F

Braided ARAMID FLEXO® NX (NXN) is made from the fibers of DuPont™ Nomex® that have been woven in protective clothing used by race car drivers, municipal fire fighters, and oil rig personnel to provide that extra level of comfort and protection from the dangers that come with working in and around intense flame and heat. Our Aramid Flexo® NX sleeving will do the same for your wires, hoses, and cables. Aramid Flexo® NX will protect your application in temperatures up to 662°F. It is unaffected by short term exposure to most acids, bases, solvents, and common engineering chemicals. Despite the soft touch and smooth appearance associated with woven aramid fibers, Aramid Flexo® NX is incredibly strong, with a tensile strength of 90,000 psi.



The densely braided sleeving provides full coverage and protection on even the most exposed applications.

Aramid Flexo® NX sleeving cuts easily with regular scissors and the smooth surface eases installation even over long wire runs.



Aramid Flexo® NX is at work every day protecting our firefighters and first responders from injury.



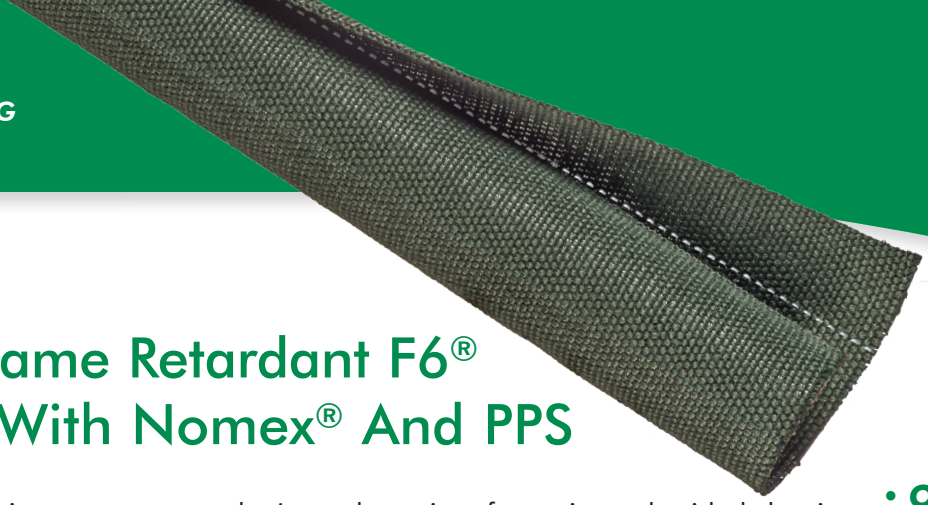
Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	NXN0.13	1/16″	1/4″	100′	25′	NT & GN	0.12
1/4″	NXN0.25	1/8″	5/16″	100′	25′	NT & GN	0.50
5/16″	NXN0.31	7/32″	7/16″	100′	25′	NT & GN	0.60
3/8″	NXN0.38	1/4″	1/2″	100′	25′	NT & GN	0.67
1/2″	NXN0.50	5/16″	5/8″	100′	25′	NT & GN	0.91
5/8″	NXN0.63	7/16″	7/8″	100′	25′	NT & GN	1.10
3/4″	NXN0.75	9/16″	1″	100′	25′	NT & GN	1.34
1″	NXN1.00	3/4″	1 1/8″	100′	25′	NT & GN	2.42
1 1/4″	NXN1.25	1″	1 1/2″	100′	25′	NT & GN	3.49
1 1/2″	NXN1.50	1 1/4″	1 3/4″	100′	25′	NT & GN	4.03
1 3/4″	NXN1.75	1 1/2″	2″	100′	25′	NT & GN	4.76

Nomex® is a registered trademark of DuPont Corporation.

1 (833) SLEEVING
www.techflex.com

MBS Major Aircraft Specified

RoHS Compliant



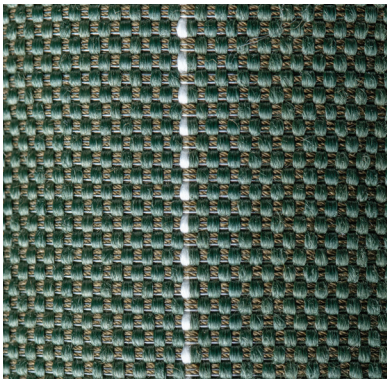
F6X - Flame Retardant F6® Woven With Nomex® And PPS

Protection of wiring systems on today's modern aircraft requires a braided sleeving company that can take that protection to new heights. Techflex's® F6X is the result of many years of R&D and insight into the aviation industry. F6X is made from genuine Nomex® for years of durable service. In your application, F6X maximizes harness coverage with minimum waste. The essential flame retardancy of Nomex® will meet even the most rigorous specifications and can be used in any major aircraft program. As always, Techflex's® F6® self-wrapping closure system will make installation a breeze keeping your process lean.

Today we make 8 sizes of F6X and are capable of matching any of your special requirements including cut lengths or custom diameters. Call your braided sleeving specialist for more details.

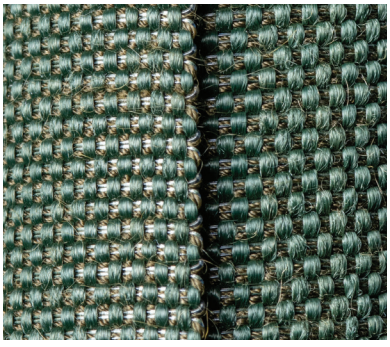
- ***Operating Temp. -76°F to 392°F***
- ***Fire Retardant***
- ***Halogen Free***
- ***Wall Thickness 0.027" (±0.005")***
- ***Cut Easily With Scissors***
- ***Tracer Indicating Maximum Operating Diameter***







Nominal Size	Part #	Flat Width	Standard Spool Put-Ups			Available Colors	Lbs/ 100′
			Bulk Spool	Box A	Box B		
3/16″	F6X0.19GN	1 3/16″	1,200′	600′	200′	Green (GN)	0.96
5/16″	F6X0.31GN	1 5/8″	650′	325′	125′	Green (GN)	1.20
1/2″	F6X0.50GN	2 1/2″	300′	150′	75′	Green (GN)	1.80
5/8″	F6X0.63GN	3″	250′	125′	75′	Green (GN)	2.16
3/4″	F6X0.75GN	3 3/4″	150′	100′	50′	Green (GN)	2.76
1″	F6X1.00GN	4 13/16″	100′	75′	50′	Green (GN)	3.36
1 1/4″	F6X1.25GN	6″	100′	50′	25′	Green (GN)	4.05
1 1/2″	F6X1.50GN	7 7/8″	50′	25′	-	Green (GN)	5.14



Nomex® is a registered trademark of DuPont Corporation.

RoHS 3 Compliant

FAR-25

1 (833) SLEEVING
www.techflex.com

- **High Cut Resistance**
- **Light Weight**
- **Resists Acids, Bases, Solvents, and Fuels**
- **High Tensile Strength**
- **Temperature Range -274°F to 320°F**
- **Will Not Melt, Burn, or Support Combustion**

Soft, Lightweight, And Extraordinarily Strong

Extra heavy duty, tightly woven ARAMID ARMOR (KVX) is braided from aramid fibers, soft and pliable, but with 5 times the strength of steel on equal-weight basis. Aramid Armor is perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. The aramid fibers provide durability, pliability, and extraordinary tensile strength.

It will not melt, burn, or support combustion. The inherent strength and heat resistance of Aramid Armor provides performance that can not be worn or aged away. Typical uses include aerospace, marine, and automotive industry applications.

Aramid Armor sleeving is available in Black and Yellow.



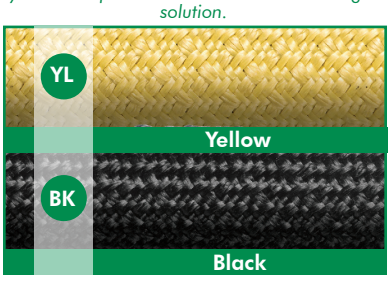
Aramid Flexo® NX is at work every day protecting our firefighters and first responders from injury.



Aramid Armor is designed to keep wires and hoses protected in the harshest situations.



When hose and wire protection is critical, you can depend on Techflex® to find the right solution.



Premium Flexo Aramid Shears
KVS0.00SV
(See pg. 113)



Whenever your sleeving needs superior cut protection, the cut and fire resistant properties of Aramid Armor will fill that need.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	KVX0.13BK	1/8″	1/4″	500′	100′	Black (BK)	1.02
1/4″	KVX0.25	1/4″	3/8″	500′	50′	YL & BK	1.69
1/2″	KVX0.50	1/2″	1″	250′	50′	YL & BK	3.22
1″	KVX1.00	1″	1 3/4″	200′	25′	YL & BK	4.76
1 1/4″	KVX1.25	1 1/4″	2″	125′	25′	YL & BK	5.88

**Please note that Aramid Armor is degraded by ultraviolet light. Do not store in direct sunlight. Fluorescent lighting will cause discoloration, but will not affect fiber mechanical properties.*

RoHS Compliant



Stronger Than Steel, Soft & Pliable

ARAMID FLEXO® KV (KVN) is a soft, flexible sleeving that's perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. Aramid Flexo® KV is braided from aramid fibers and has durability, pliability, and extraordinary tensile strength. Aramid Flexo® KV fibers are up to 20 times stronger than steel fibers of equal diameter. KVN has excellent thermal stability, permitting long-term, continuous use at temperatures as low as -274°F and as high as 320°F. Short term exposure up to 572°F can be tolerated. KVN does not melt or support combustion. KVN sleeving provides extreme strength and durability, yet is lightweight and easy to install.

- ***Up to 20 Times Stronger Than Steel***
- ***Will Not Melt, Burn, or Support Combustion***
- ***Stays Soft, Flexible, & Pliable Throughout -274°F to 320°F***



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	KVN0.25YL	1/8″	5/16″	500′	50′	Yellow (YL)	0.30
1/2″	KVN0.50YL	1/4″	5/8″	250′	50′	Yellow (YL)	0.80
3/4″	KVN0.75YL	1/2″	7/8″	250′	50′	Yellow (YL)	1.20
1″	KVN1.00YL	3/4″	1 1/4″	200′	25′	Yellow (YL)	1.92
1 1/4″	KVN1.25YL	1″	1 5/8″	125′	25′	Yellow (YL)	2.40
1 1/2″	KVN1.50YL	1 1/4″	2″	100′	25′	Yellow (YL)	2.90
2″	KVN2.00YL	1 3/4″	2 1/2″	100′	25′	Yellow (YL)	3.60

**Please note that Aramid Flexo KV is degraded by ultraviolet light. Do not store in direct sunlight. Fluorescent lighting will cause discoloration, but will not affect fiber mechanical properties.*



A Unique Combination Of Properties For Demanding Applications

VECTRAN® FIBER (VEN) is a high-performance multifilament yarn spun from liquid crystal polymer. Pound for pound Vectran® fiber is five times stronger than steel and ten times stronger than aluminum, which makes it the material of choice in demanding applications where other fibers fail to meet performance requirements. Our product also demonstrates minimal moisture absorption, outstanding cut and abrasion resistance, high dielectric strength, and melt temperature of 625°F.

Vectran® Fiber sleeving is used in a wide range of applications, including aerospace, high tech research, industrial protection, marine, and medical uses.

Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/8″	VEN0.13NT	.025″	7/64″	9/64″	500	100	Natural (NT)	0.36
1/4″	VEN0.25NT	.025″	13/64″	19/64″	500	100	Natural (NT)	0.72



Vectran's® molecular structure not only makes it one of the world's strongest materials but vectran is also invisible in MRI systems.

RoHS Compliant

Vectran® is a registered trademark of the Kuraray Co., LTD.

1 (833) SLEEVING
www.techflex.com

INSULTHERM



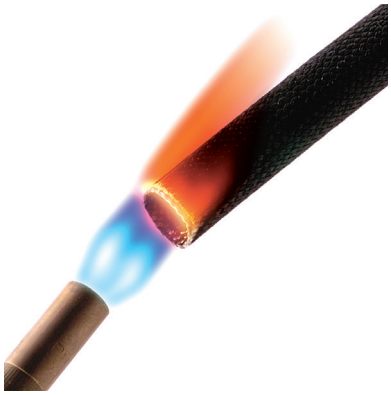
- ***Resin Saturated, Heavy Weight Braided Fiberglass Won't Burn, Melt, or Become Brittle***
- ***Minimal Dusting When Cut & Handled***
- ***Cut and Abrasion Resistant***
- ***Easy to Install - Cuts with Scissors***
- ***Resists Gasoline and Engine Chemicals***

Resin Saturated Fiberglass Protects Up To 1,200°F

INSULTHERM® (FGN) is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables, and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems.

Insultherm® is braided from fiberglass yarns and saturated with high temperature resins. FGN is tough and durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress, and temperature variations.

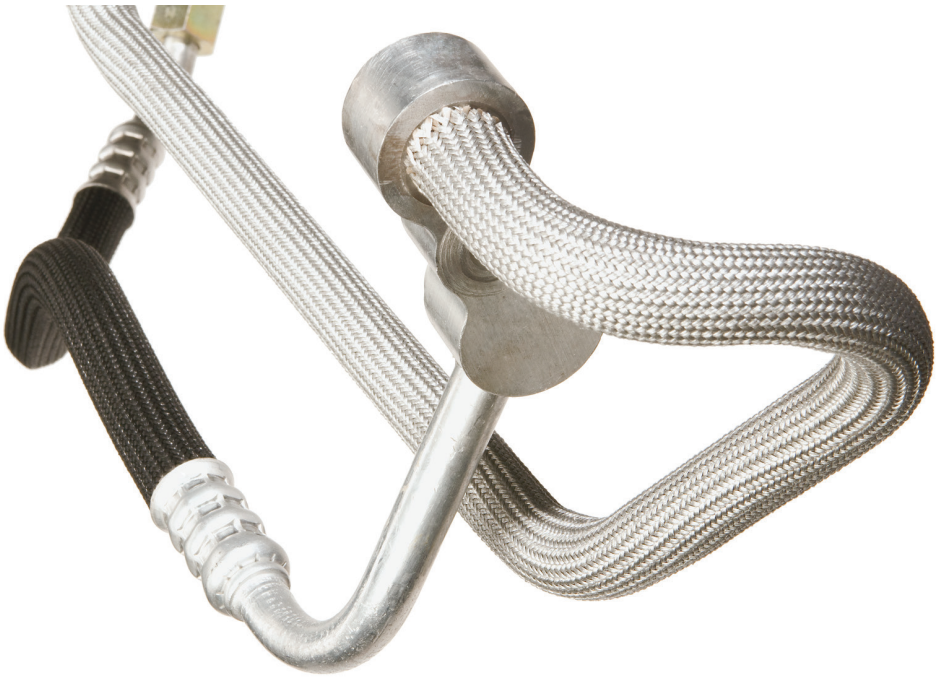
FGN is available in a wide range of diameters. It installs easily over a variety of applications to either deflect or retain heat in environments up to 1,200°F.

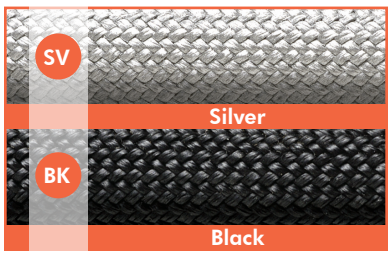


Insultherm® resin saturated braided fiberglass sleeving is ideal in areas where fire and extremely high temperatures create a hazard to personnel and equipment.



Hoses insulated with Insultherm can perform better in the demanding environments where multi terrain equipment is used.





Nominal Size	Part #	Maximum Diameter	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/4″	FGN0.25	3/8″	.031″	200′	50′	SV & BK	2.00
3/8″	FGN0.38	5/8″	.043″	200′	50′	SV & BK	3.30
1/2″	FGN0.50	3/4″	.046″	200′	50′	SV & BK	4.80
5/8″	FGN0.63	7/8″	.046″	200′	50′	SV & BK	5.30
3/4″	FGN0.75	1 1/8″	.046″	200′	50′	SV & BK	6.40
7/8″	FGN0.88	1 1/4″	.046″	200′	50′	SV & BK	8.70
1″	FGN1.00	1 5/8″	.057″	100′	25′	SV & BK	10.50
1 1/2″	FGN1.50	2 5/8″	.061″	100′	25′	SV & BK	16.00
2 1/2″	FGN2.50	4 1/8″	.071″	100′	25′	SV & BK	19.70

InsulTHERM® HEAVY·DUTY



Insultherm Heavy Duty Sleeving Withstands Heat Up To 1,200°F

INSULTHERM® HEAVY DUTY (FGS) is a braided fiberglass sleeving made in a heavy wall construction with a high-temp cord braided into the sleeving. Insultherm® HD is saturated with high temperature acrylic resins, which adds rigidity and reduces fray when cut. The high temperature fiberglass cord braided into the sleeving adds significant abrasion protection and allows the sleeving to expand to much larger diameters, making it easier to apply over longer lengths.

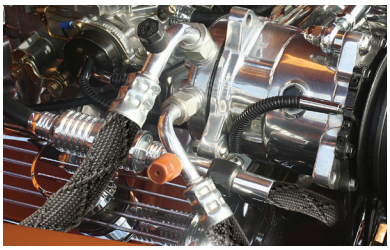
Insultherm® HD is ideal heat protection for cables and hoses in a wide range of available sizes and will withstand 1,200°F temperatures. This sleeving is designed to provide thermal insulation and protection for EGR tubes, fuel lines, hydraulic and industrial hose applications, as well as many welding and automotive applications. This product can also be produced in large flat sheets and customized into a wrap with push button closure or stainless steel tie closures. The wraps make it ideal for thermal protection with a higher degree of abrasion protection.

- ***Heavy Weight Braided Fiberglass Won't Burn, Melt, or Become Brittle***
- ***Minimal Dusting When Cut & Handled***
- ***Cut and Abrasion Resistant***
- ***Easy to Install***
- ***Resists Gasoline and Engine Chemicals***





Integrated ribs on our Insultherm HD provide a built in buffer from heat and abrasion.



Increasing the distance from your vulnerable hoses and wires will insure that the heat protection lasts its longest.



Nominal Size	Part #	Maximum Diameter	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/2″	FGS0.50BK	7/8″	.050″	200′	50′	Black (BK)	7.30
3/4″	FGS0.75BK	2 3/4″	.058″	200′	50′	Black (BK)	13.60
1″	FGS1.00BK	2 1/2″	.073″	200′	50′	Black (BK)	17.00
1 1/4″	FGS1.25BK	3 3/8″	.072″	100′	25′	Black (BK)	21.70
1 3/8″	FGS1.38BK	4 3/8″	.072″	100′	25′	Black (BK)	24.75
1 1/2″	FGS1.50BK	5 3/8″	.090″	100′	25′	Black (BK)	27.80

RoHS Compliant

VW-1

InsulTHERM® TRU-FIT



- *Rated to 464°F*
- *For High Temp - Low Voltage Applications*
- *Cut and Abrasion Resistant*
- *UL Recognized: VW-1*
- *Easy to Install - Cuts with Scissors*
- *Excellent Low Temp Flexibility*
- *Resists Most Organic Solvents*

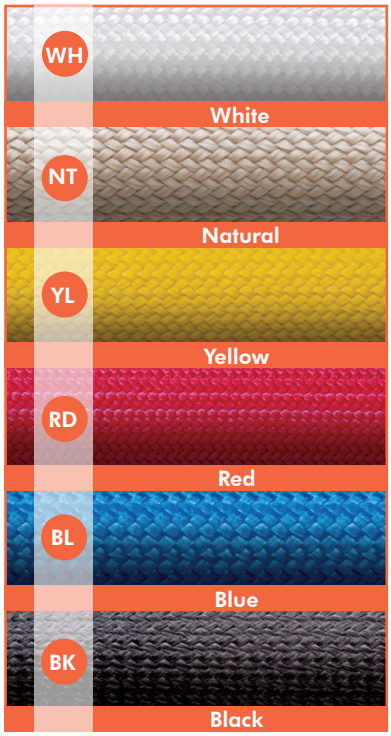
Heat Treated, Fray-Resistant Fiberglass Sleeving

Techflex® INSULTHERM® TRU-FIT® (FGL) is a braided fiberglass sleeving which has been heat treated and impregnated with an acrylic binder to reduce fraying and dusting, and improve usability and performance. FGL is engineered for applications where temperatures as high as 1,200°F may occur. FGL is used as primary insulation on low voltage applications such as leads in toasters, coffee makers, ranges, and other small appliances. FGL may also be used as insulation and protection for small heaters and resistors that operate at high temperatures, as well as to insulate over soldered connections when exposure to solder melt temperatures is possible.

Insultherm® Tru-Fit® provides a sturdy, long lasting, and inexpensive insulation solution. It is flexible and expandable, and can easily be installed over applications with irregular shapes and tight turns. Standard colors are Black and Natural, but other colors are available by special order. Contact your account representative for details.



Protect component wiring leads from heat and abrasion with Insultherm® Tru-Fit® for an attractive and permanent finish.



Nominal Size	Diameter	Part #	Wall Thickness ±0.005″	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
24	0.022″	FGLG.24	.005″	500′	250′	WH,NT, YL,RD,BL,BK	0.078
22	0.027″	FGLG.22	.005″	500′	250′	WH,NT, YL,RD,BL,BK	0.120
20	0.034″	FGLG.20	.009″	500′	250′	WH,NT, YL,RD,BL,BK	0.120
18	0.042″	FGLG.18	.011″	500′	250′	WH,NT, YL,RD,BL,BK	0.116
16	0.053″	FGLG.16	.011″	500′	250′	WH,NT, YL,RD,BL,BK	0.166
14	0.066″	FGLG.14	.011″	500′	250′	WH,NT, YL,RD,BL,BK	0.280
12	0.085″	FGLG.12	.011″	250′	100′	WH,NT, YL,RD,BL,BK	0.296
11	0.095″	FGLG.11	.011″	250′	100′	WH,NT, YL,RD,BL,BK	0.384
10	0.106″	FGLG.10	.011″	250′	100′	WH,NT, YL,RD,BL,BK	0.348
9	0.118″	FGLG.09	.011″	250′	100′	WH,NT, YL,RD,BL,BK	0.384
8	0.133″	FGLG.08	.011″	250′	100′	WH,NT, YL,RD,BL,BK	0.296
7	0.148″	FGLG.07	.013″	250′	100′	WH,NT, YL,RD,BL,BK	0.480
6	0.166″	FGLG.06	.013″	250′	100′	WH,NT, YL,RD,BL,BK	0.480
5	0.186″	FGLG.05	.013″	250′	100′	WH,NT, YL,RD,BL,BK	0.532
4	0.208″	FGLG.04	.016″	250′	100′	WH,NT, YL,RD,BL,BK	0.632
3	0.234″	FGLG.03	.016″	250′	100′	WH,NT, YL,RD,BL,BK	0.852
2	0.263″	FGLG.02	.016″	250′	100′	WH,NT, YL,RD,BL,BK	1.020
1	0.294″	FGLG.01	.016″	100′	50′	WH,NT, YL,RD,BL,BK	1.180
0	0.330″	FGLG.00	.016″	100′	50′	WH,NT, YL,RD,BL,BK	1.780
3/8″	0.375″	FGL0.38	.016″	100′	50′	WH,NT, YL,RD,BL,BK	1.790
7/16″	0.438″	FGL0.44	.018″	100′	50′	WH,NT, YL,RD,BL,BK	2.040
1/2″	0.500″	FGL0.50	.018″	100′	50′	WH,NT, YL,RD,BL,BK	2.280
5/8″	0.625″	FGL0.63	.018″	100′	50′	WH,NT, YL,RD,BL,BK	2.560
3/4″	0.750″	FGL0.75	.018″	100′	50′	WH,NT, YL,RD,BL,BK	4.160
1″	1.000″	FGL1.00	.018″	100′	50′	WH,NT, YL,RD,BL,BK	6.110

INSULTHERM® ULTRA·FLEX



Braided Fiberglass Protects Up To 1,200°F

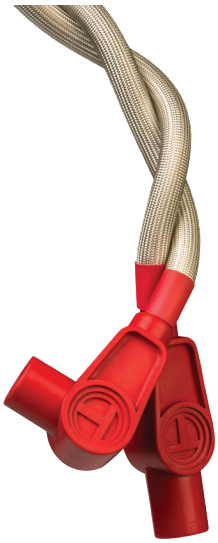
INSULTHERM® ULTRA FLEX® (FHN) fiberglass sleeving is ideal for the protection of wires and hoses exposed to the heat generated from high performance engine and exhaust components.

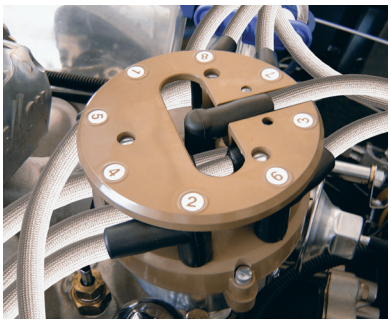
FHN can be used where space factor electrical insulation is sufficient, but high temperature protection is required. It is typically used for insulation on low voltage applications such as leads in toasters, range units, and other appliances. Ultra Flex® expands slightly, allowing it to slide easily over wires and follow curves and contours without binding.

Ultra Flex® undergoes a unique heat treatment process during manufacturing to remove impurities, improve handling, and allow for easy cutting with scissors. The absence of an acrylic binder results in an extremely flexible and versatile sleeve. Both long-lasting and sturdy, FHN is an economical choice for low voltage and high temperature protection.

- ***Continuous Filament E-Type Glass***
- ***Resists Abrasion, Vibration, and Mechanical Stress***
- ***Easy to Install - Cuts With Scissors***
- ***Stays Flexible in Low Temperatures***

Nominal Size	Diameter	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
24	0.022″	FHNG.24NT	.005″	500′	250′	Natural (NT)	0.078
22	0.027″	FHNG.22NT	.005″	500′	250′	Natural (NT)	0.120
20	0.034″	FHNG.20NT	.009″	500′	250′	Natural (NT)	0.120
18	0.042″	FHNG.18NT	.011″	500′	250′	Natural (NT)	0.116
17	0.047″	FHNG.17NT	.011″	500′	250′	Natural (NT)	0.116
16	0.053″	FHNG.16NT	.011″	500′	250′	Natural (NT)	0.166
14	0.066″	FHNG.14NT	.011″	500′	250′	Natural (NT)	0.280
13	0.076″	FHNG.13NT	.011″	500′	250′	Natural (NT)	0.280
12	0.085″	FHNG.12NT	.011″	250′	100′	Natural (NT)	0.296
11	0.095″	FHNG.11NT	.011″	250′	100′	Natural (NT)	0.384
10	0.106″	FHNG.10NT	.011″	250′	100′	Natural (NT)	0.348
9	0.118″	FHNG.09NT	.011″	250′	100′	Natural (NT)	0.384
8	0.133″	FHNG.08NT	.011″	250′	100′	Natural (NT)	0.296
7	0.148″	FHNG.07NT	.013″	250′	100′	Natural (NT)	0.480
6	0.166″	FHNG.06NT	.013″	250′	100′	Natural (NT)	0.480
5	0.186″	FHNG.05NT	.013″	250′	100′	Natural (NT)	0.532
4	0.208″	FHNG.04NT	.016″	250′	100′	Natural (NT)	0.632
3	0.234″	FHNG.03NT	.016″	250′	100′	Natural (NT)	0.852
2	0.263″	FHNG.02NT	.016″	250′	100′	Natural (NT)	1.020
1	0.294″	FHNG.01NT	.016″	100′	50′	Natural (NT)	1.180
0	0.330″	FHNG.00NT	.016″	100′	50′	Natural (NT)	1.780
1/4″	0.250″	FHN0.25NT	.010″	100′	50′	Natural (NT)	0.650
5/16″	0.313″	FHN0.31NT	.016″	100′	50′	Natural (NT)	1.000
3/8″	0.375″	FHN0.38NT	.012″	100′	50′	Natural (NT)	1.790
7/16″	0.438″	FHN0.44NT	.018″	100′	50′	Natural (NT)	2.040
1/2″	0.500″	FHN0.50NT	.013″	100′	50′	Natural (NT)	2.280
5/8″	0.625″	FHN0.63NT	.024″	100′	50′	Natural (NT)	2.560
3/4″	0.750″	FHN0.75NT	.024″	100′	50′	Natural (NT)	4.160
1″	1.000″	FHN1.00NT	.024″	100′	50′	Natural (NT)	6.110



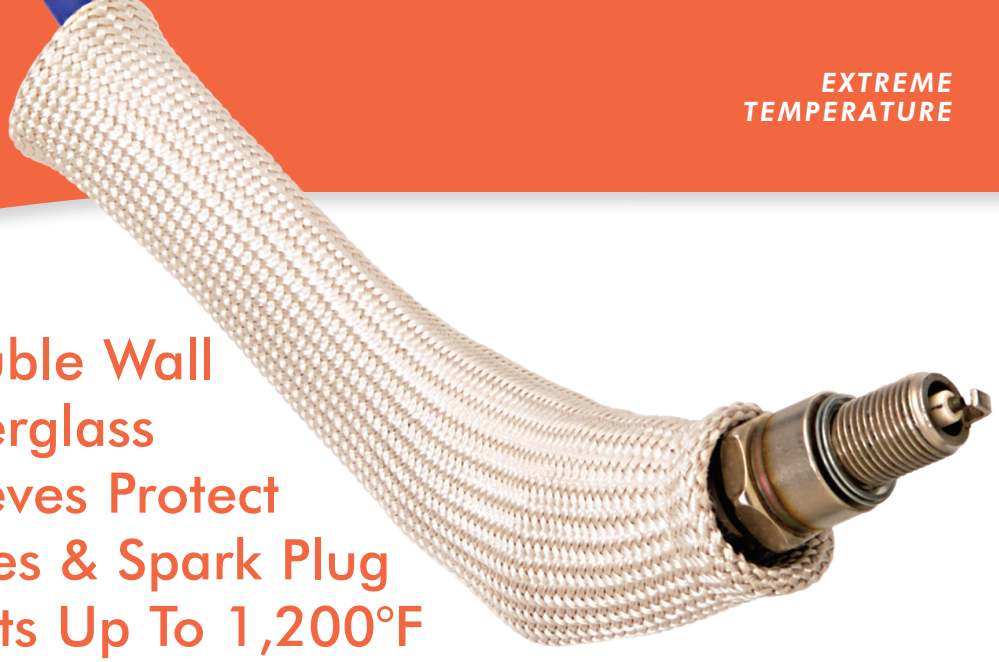


Insultherm® Ultra Flex® is a highly flexible heat protection sleeving with no added coatings or binders.

RoHS 2 Compliant

VW-1

InsulTherm® SPARK·PLUG·BOOT·INSULATOR



- *Economical, Long Lasting Protection*
- *Easy, Slip On Installation*
- *Protects up to 1,200°F*
- *Halogen Free*
- *Resists Gasoline and Engine Chemicals*

Double Wall Fiberglass Sleeves Protect Wires & Spark Plug Boots Up To 1,200°F

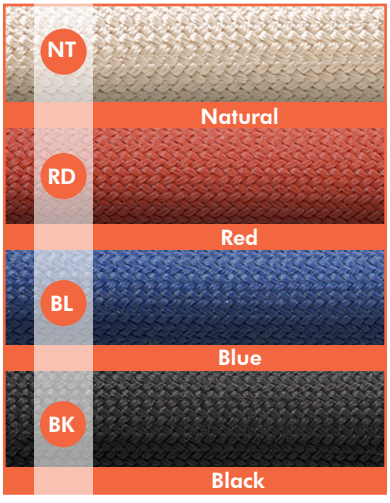
For decades, Techflex's® Insultherm® braided fiberglass sleeving has been the first choice among automotive professionals and enthusiasts alike for many of their thermal protection applications. These innovative sleeves offer the same high temperature protection in an easy slip on sleeve that will extend the life of expensive spark plug wires by protecting them where they need it most... at the boot. Just slip these 3/4" diameter double thickness (triple thick at the sewn end) sleeves over any spark plug cable and boot (even right angle boots) to protect them from engine temperatures up to 1,200°F. Once installed, the sleeves require no clearance from hot surfaces and can even rest directly on hot exhaust headers without affecting performance. Insultherm® Spark Plug Boot Sleeves are completely non-conductive, resist all engine chemicals, will not support combustion, and provide an easy, economical solution to the challenge of wire protection in the cramped, high temperature environment of any high performance engine compartment.



Available in three standard lengths: 4 1/2", 7 1/2", and 12".



With ring





Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Available Colors
No Ring-Easy Install					
4 1/2"	FBN0.75	3/4"	.085"	144	NT in-stock color; all other available by special order only.
7 1/2"	FCN0.75	3/4"	.085"	144	NT, BL, BK, RD
12"	FDN0.75	3/4"	.085"	144	NT, BL, BK, RD
With Ring					
7 1/2"	FCU0.75	3/4"	.085"	144	NT, BL, BK, RD

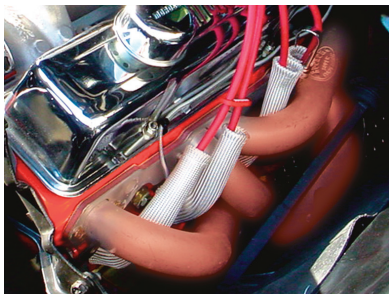
InsulTherm® SPARK·PLUG·BOOT·INSULATOR SI

The Ultimate in Spark Plug Wire Protection Up To 1,800°F



Insultherm® Silica Spark Plug Boot Insulators (SCN) are the ultimate in spark plug and spark plug wire protection. Woven from superior thermal protective silica yarns, you can be sure that your expensive high performance plug wires are safe in that furnace of an engine compartment - up to 1,800°F. Insultherm® Silica Spark Plug Boot Insulators (SCN) installs easily even over 90° boots, are non-conductive, non-combustable, and chemical resistant.

Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Available Colors
No Ring-Easy Install					
7 1/2″	SCN0.75NT	3/4″	.085″	24	Natural (NT)



Insultherm® Spark Plug Boot SI Sleeves can rest directly on hot headers and other engine components without burning, melting, or becoming brittle.

InsulTherm® ULTRA·FLEX Pro

Heavy Wall Fiberglass Protects Up To 1,200°F



The heavy wall construction, large available diameters, and high expandability of ULTRA FLEX® PRO (FHH) provides a high level of protection and ease of installation when used to insulate pipes and hoses subject to abrasion and vibration. Ultra Flex® Pro cuts easily with scissors, and special heat treated construction minimizes fraying and dusting during assembly. Increased wall thickness adds value to insulation.



Insultherm® Ultra Flex® Pro expands up to 50% for easy installation

Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/2″	FHH0.50NT	.025″	3/8″	5/8″	100′	50′	Natural (NT)	3.50
3/4″	FHH0.75NT	.040″	5/8″	1 5/32″	100′	50′	Natural (NT)	8.00
1″	FHH1.00NT	.032″	7/8″	1 3/8″	50′	25′	Natural (NT)	7.00
1 1/4″	FHH1.25NT	.035″	1″	1 3/4″	50′	25′	Natural (NT)	10.50
1 1/2″	FHH1.50NT	.035″	1 1/8″	2 1/8″	50′	25′	Natural (NT)	10.00



RoHS Compliant

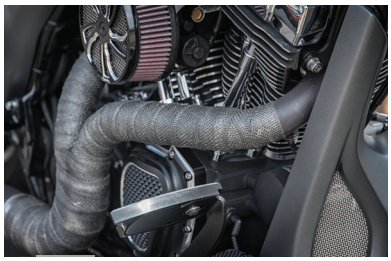
VW-1

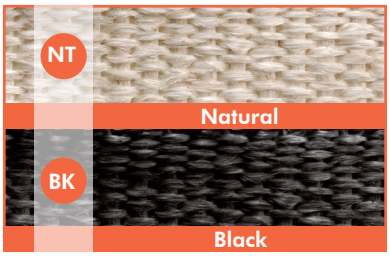
INSULTHERM HEADER WRAP™



- *High Temp. Resistant*
- *Easy to Install*
- *Resists Gasoline and Engine Chemicals*
- *Increases Horsepower & Improves Fuel Mileage*
- *Cut & Abrasion Resistant*
- *Halogen Free*

Vermiculite Coated Fiberglass Wrap Withstands Heat Up To 1,200°F





HEADER WRAP INSULTHERM® (HFN) is extremely resistant to high temperatures. It is commonly used for automotive and high performance headers and exhausts.

HFN is manufactured from texturized fiberglass yarns and woven into a strong and flexible wrap with vermiculite coating.

Wall Thickness	Widths	Part #	Maximum Continuous Temperature	Standard Spool Put-Ups			Available Colors	Lbs/ 100′
				Bulk Spool 1	Bulk Spool 2	Bulk Spool 3		
1/16″	1″	HFN1.00	1,000°F	100′	50′	25′	NT & BK	1.50
1/16″	2″	HFN2.00		100′	50′	25′	NT & BK	3.05

CUSTOM CONFIGURATIONS
Thickness Available: 1/16″, 1/8″ Widths Available: 1/2″ – 6″
Contact us for custom product options.

HEADER WRAP and HEADER WRAP SI - Reduces under-hood temperatures up to 70%, increases horsepower and fuel efficiency. Techflex® Header Wrap works by holding heat within the header, which creates a better exhaust flow. This allows easy removal of spent gases and creates more airflow to the engine.

INSULTHERM HEADER WRAP SI™



- *High Temp. Resistant*
- *Repels Gasoline and Engine Chemicals*
- *Cut and Abrasion Resistant*

Silica Wrap Withstands Continuous Heat Up To 2,000°F



HEADER WRAP SI INSULTHERM® (HSN) is made from texturized amorphous silica filament yarn woven into a strong and flexible form. Because the yarn is texturized into a bulky form, it provides excellent insulating values. Header Wrap SI is not made from leached fiberglass, resulting in a much more wear resistant finished product.

Wall Thickness	Widths	Part #	Maximum Continuous Temperature	Standard Spool Put-Ups			Available Colors	Lbs/ 100′
				Bulk Spool 1	Bulk Spool 2	Bulk Spool 3		
1/16″	1″	HSN1.00NT	2,000°F	100′	50′	25′	Natural (NT)	1.50
1/16″	2″	HSN2.00NT		100′	50′	25′	Natural (NT)	3.05

CUSTOM CONFIGURATIONS
Thickness Available: 1/16″, 1/8″ Widths Available: 1″ – 4″
Contact us for custom product options.

RoHS Compliant

VOLCANO WRAP™



Woven Volcanic Rock Tape Withstands Heat Up To 1,300°F

VOLCANO WRAP (VWN) is made from continuous filament basalt fiber and is engineered for protection from temperatures up to 1,300°F. When wrapped around exhaust pipes, the unique construction creates an attractive and durable finished product.

Volcano Wrap is 25% stronger and provides a 300°F increase in temperature protection over fiberglass wrap. The product is very rugged, and will not exhibit any vibration damage over long periods of use.

The volcanic rock fiber wrap is easy to install and will provide years of protection and good looks.

- ***High Temperature Resistance***
- ***Easy to Install***
- ***Resists Gasoline and Engine Chemicals***
- ***Great Appearance***





Volcano Wrap can be terminated with our new ClampTite tool found on pg. 100



Volcano Wrap helps redirect the heat every race or every day in production, keeping engine areas cooler and performance results better.

Wall Thickness	Widths	Part #	Standard Spool Put-Ups				Available Colors	Lbs/ 100′
			Bulk Spool 1	Bulk Spool 2	Bulk Spool 3	Bulk Spool 4		
1/16″	1″	VWN1.00	100′	50′	25′	15′	BA & BK	1.70
1/16″	2″	VWN2.00	100′	50′	25′	15′	BA & BK	3.20

CUSTOM CONFIGURATIONS

Thickness Available: 1/16″, 1/8″ Widths Available: 1″ – 4″

Contact us for custom product options.

RoHS Compliant



1 (833) SLEEVING
www.techflex.com

THERMA SHIELD®



Reflective Aluminized Surface Bonded To Insulating Fiberglass In 4 Styles

ThermaShield® creates a thermal buffer between your wires, hoses and cables, and the high temperature environments surrounding them.

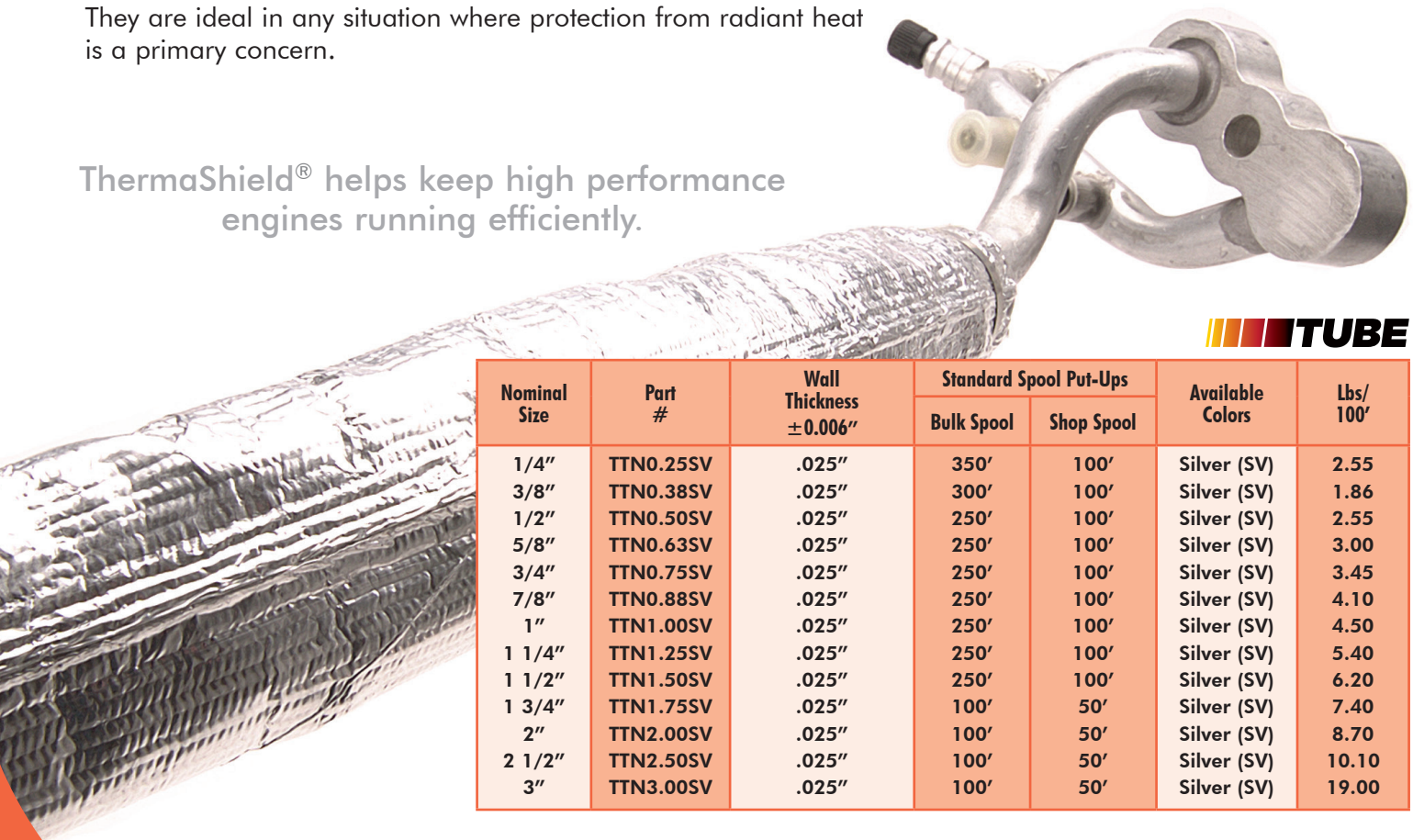
ThermaShield® is engineered by laminating an aluminized metallic heat shield to a layer of strong, tightly braided fiberglass insulation. This system provides superior protection from radiant heat by reflecting it away from sensitive electronics, wiring, and hoses.

The four styles of ThermaShield®: Tube, Convoluted, Wrap, and Flat provide a full range of solutions for virtually any application. The Wrap and Flat products use a very aggressive, high temperature adhesive that eliminates the need for high-temp mylar tape or other adhesive.

ThermaShield® products will endure temperatures up to 1,200°F without delaminating, turning brittle, or suffering adhesive failure.

They are ideal in any situation where protection from radiant heat is a primary concern.

ThermaShield® helps keep high performance engines running efficiently.



TUBE

Nominal Size	Part #	Wall Thickness ±0.006″	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1/4″	TTN0.25SV	.025″	350′	100′	Silver (SV)	2.55
3/8″	TTN0.38SV	.025″	300′	100′	Silver (SV)	1.86
1/2″	TTN0.50SV	.025″	250′	100′	Silver (SV)	2.55
5/8″	TTN0.63SV	.025″	250′	100′	Silver (SV)	3.00
3/4″	TTN0.75SV	.025″	250′	100′	Silver (SV)	3.45
7/8″	TTN0.88SV	.025″	250′	100′	Silver (SV)	4.10
1″	TTN1.00SV	.025″	250′	100′	Silver (SV)	4.50
1 1/4″	TTN1.25SV	.025″	250′	100′	Silver (SV)	5.40
1 1/2″	TTN1.50SV	.025″	250′	100′	Silver (SV)	6.20
1 3/4″	TTN1.75SV	.025″	100′	50′	Silver (SV)	7.40
2″	TTN2.00SV	.025″	100′	50′	Silver (SV)	8.70
2 1/2″	TTN2.50SV	.025″	100′	50′	Silver (SV)	10.10
3″	TTN3.00SV	.025″	100′	50′	Silver (SV)	19.00

THERMA SHIELD®



CONVOLUTED

Nominal Size	Part #	Wall Thickness ±0.005″	4′ Pcs. Put-Ups				Available Colors	Lbs/ 10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
3/8″	TCN0.38SV	.045″	300	80	45	30	Silver (SV)	1.00
1/2″	TCN0.50SV	.045″	250	70	40	25	Silver (SV)	1.20
5/8″	TCN0.63SV	.045″	150	60	35	20	Silver (SV)	1.50
3/4″	TCN0.75SV	.045″	125	50	30	15	Silver (SV)	1.80
7/8″	TCN0.88SV	.045″	100	40	25	12	Silver (SV)	1.95
1″	TCN1.00SV	.045″	88	30	20	9	Silver (SV)	2.10
1 1/4″	TCN1.25SV	.045″	63	20	10	6	Silver (SV)	2.30

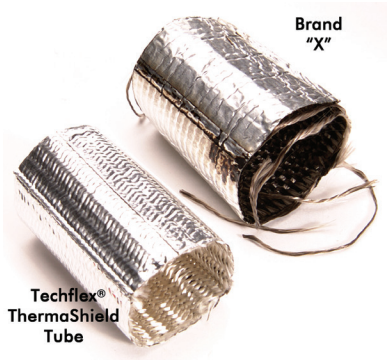
WRAP

Nominal Size	Part #	Sheet Width	Wall Thickness ±0.008″	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/2″	TWN0.50SV	1 13/16″	.025″	250′	100′	Silver (SV)	2.60
3/4″	TWN0.75SV	2 1/2″	.025″	250′	100′	Silver (SV)	4.00
1″	TWN1.00SV	3 3/8″	.025″	200′	100′	Silver (SV)	5.10
1 1/4″	TWN1.25SV	4 1/4″	.025″	200′	100′	Silver (SV)	5.70
1 1/2″	TWN1.50SV	5″	.025″	200′	100′	Silver (SV)	6.50
1 3/4″	TWN1.75SV	5 13/16″	.025″	100′	50′	Silver (SV)	7.40
2″	TWN2.00SV	6 11/16″	.025″	100′	50′	Silver (SV)	8.40
2 1/4″	TWN2.25SV	7 3/8″	.025″	100′	50′	Silver (SV)	9.50

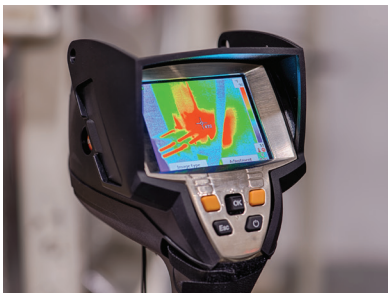
FLAT

Nominal Size	Part #	Wall Thickness ±0.006″	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1″	TSN1.00SV	.025″	250′	100′	Silver (SV)	1.60
1 1/2″	TSN1.50SV	.025″	250′	100′	Silver (SV)	2.00
2″	TSN2.00SV	.025″	250′	100′	Silver (SV)	2.75
3″	TSN3.00SV	.025″	250′	100′	Silver (SV)	4.30
4″	TSN4.00SV	.025″	250′	100′	Silver (SV)	5.60
5″	TSN5.00SV	.025″	200′	100′	Silver (SV)	7.60
6″	TSN6.00SV	.025″	100′	50′	Silver (SV)	9.20
6 7/8″	TSN6.88SV	.025″	100′	50′	Silver (SV)	10.90

- ***Cuts Easily with Scissors***
- ***Reflects Radiant Heat***
- ***Insulates Delicate Wires & Components***
- ***Resists Gasoline and Engine Chemicals***



Techflex® ThermaShield® and a competitor's similar product were placed in the same electrical test oven for one hour at 626°F (330°C). Note the burning and delamination of the fiberglass interior of the Brand "X" product. Even the metallic shroud suffered a degree of burning and brittleness that did not occur on the ThermaShield® sample.



ThermaShield® Heat Reflecting products stop heat before it gets to your hose systems - cutting internal temperatures drastically.

RoHS Compliant

FAR-25

1 (833) SLEEVING
www.techflex.com

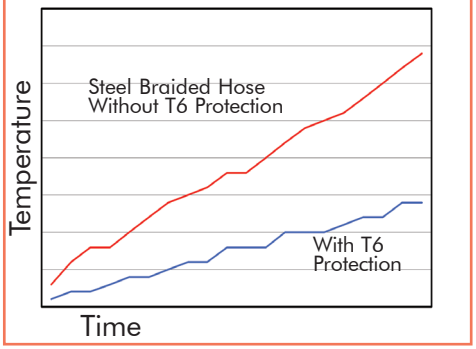


- ***Heat Reflective Aluminum Laminated Fiberglass***
- ***Self Wrap and Seal Overlap with High Temperature Adhesive Strip***
- ***Reflects Radiant Heat***
- ***Resists Gasoline and Engine Chemicals***
- ***Cut and Abrasion Resistant***
- ***Cuts Cleanly with Scissors***
- ***Halogen Free***

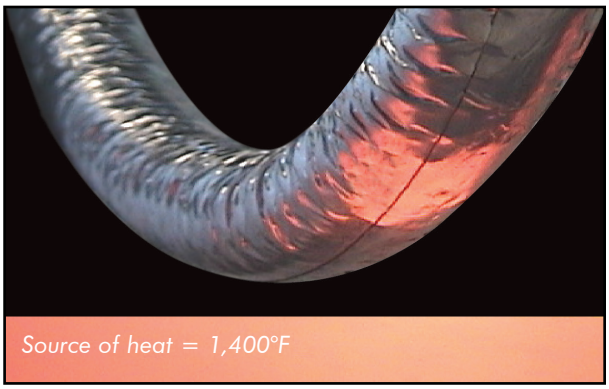
Flexible Thermal Reflective Wrap Deflects Radiant Heat Up To 1,400°F

One of the most popular items in the ThermaShield® line of aluminized fiberglass products, T6®, is designed for ease of installation when component disassembly isn't practical. Just wrap the pre-formed, split flexible tube around any component, and seal the sides with the high temperature adhesive strip to provide protection from hot pipes and engine components.

The highly reflective aluminized exterior, combined with the insulating fiberglass interior, protects delicate wire bundles, cables, and lines from damage caused by nearby exhaust pipes, headers, or other heat generating components.



After long term exposure to extreme temp. (1,400°F) with the distance of 3/8" from the source of heat, T6® ThermaShield® remains flexible and resilient with no delaminating or breaking of the adhesive.


Source of heat = 1,400°F



T6® is shipped in pre-cut 4' lengths

T6® can reduce the heat transmission from hot pipes or engine components into hoses or harnesses by up to 50% or more.

T6

Nominal Size	Wall Thickness ±0.007"	Part #	4' Pcs. Put-Ups				Available Colors	Lbs/ 10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
1/4"	.042"	T6F0.25SV	250	140	100	50	Silver (SV)	1.00
3/8"	.042"	T6F0.38SV	250	90	50	30	Silver (SV)	1.50
1/2"	.042"	T6F0.50SV	250	70	40	25	Silver (SV)	2.00
5/8"	.042"	T6F0.63SV	150	60	35	20	Silver (SV)	2.50
3/4"	.042"	T6F0.75SV	125	50	30	15	Silver (SV)	3.00
1"	.042"	T6F1.00SV	70	30	20	9	Silver (SV)	3.50
1 1/4"	.042"	T6F1.25SV	63	20	10	6	Silver (SV)	4.50
1 1/2"	.042"	T6F1.50SV	40	15	8	4	Silver (SV)	5.00
2"	.042"	T6F2.00SV	24	8	4	2	Silver (SV)	6.00

THERMA SHIELD® CONNECTOR SHIELD



The Ultimate Heat Protection

- *Reflects Radiant Heat*
- *Insulates Delicate Wires & Components*
- *Resists Gasoline & Engine Chemicals*

The new Techflex® CONNECTOR SHIELD (CNS) is the ultimate heat protection for your connections.

Built to shield your delicate electronics from the extreme engine and exhaust temperatures of today's high performance engines. Our convenient shield slides easily over connections and can cut surface heat to a fraction of the unprotected temp.

The hybrid system in our heat shield combats the effects of radiant heat with the aluminum skin and convective heat with thick insulation layers.
If you have connections in the line of fire, Techflex® connector shields are for you.



Nominal Size (ID)	Part #	Length	Bulk Pack	Available Colors	Lbs/10 Pcs.
1 1/4″	CNS1.25SV	3″	10 Pcs.	Silver (SV)	0.40

THERMA SHIELD® TAPE

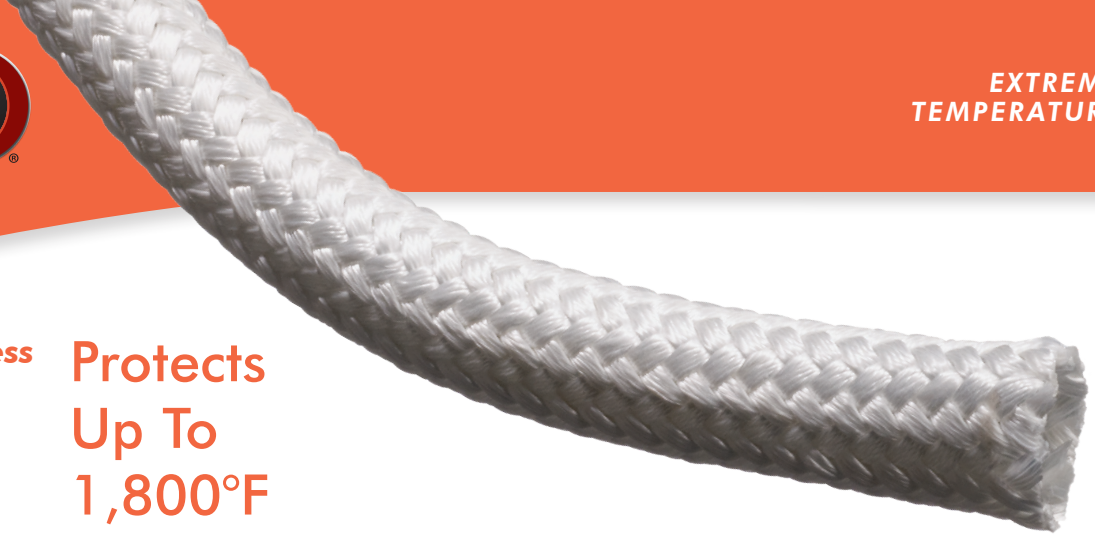


ThermaShield® Tape

A high temperature and EMI/RDI shielding tape that exhibits outstanding heat reflectivity and thermal stability at extremely high temperatures for short periods of time. The tape is constructed of 1 mil aluminum foil, laminated on 2 mil glass cloth with silicone adhesive. Backing retains physical properties even after thermal degradation of the silicone adhesive into an insulating layer of silica. It can be used as a radiant heat shield for the protection of electrical control wiring, power cables, and other heat-sensitive devices.

Nominal Size	Part #	Wall Thickness	Bulk Spool	Available Colors	Lbs/ Roll
1″	TST1.00SV	.068″	108′	Silver (SV)	0.50
1 1/2″	TST1.50SV	.068″	108′	Silver (SV)	0.75
2″	TST2.00SV	.068″	108′	Silver (SV)	1.06
3″	TST3.00SV	.068″	108′	Silver (SV)	1.59
4″	TST4.00SV	.068″	108′	Silver (SV)	2.12
6″	TST6.00SV	.068″	108′	Silver (SV)	3.18





- ***60 Mil Wall Thickness Provides Enhanced Thermal Insulation***
- ***High Temperature Resistance***
- ***Easy to Install***
- ***Resists Gasoline and Engine Chemicals***
- ***Cut and Abrasion Resistant***

Protects Up To 1,800°F

Densely woven Silica Sleeve (SLN) is ideal for protection of delicate components and personnel from exposure to high temperature exhausts and pipes. Silica Sleeve is braided into a strong and flexible sleeve from silica yarns. The thick 60 mil walls of this sleeving provide enhanced thermal protection up to 1,800°F. This product cuts easily with scissors or shears and expands to allow easy installation over water cooling hoses, hydraulic hoses, and electrical cables.







Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/4″	SLN0.25NT	.060″	1/4″	1/2″	100	50	Natural (NT)	2.60
1/2″	SLN0.50NT	.060″	1/2″	5/8″	100	50	Natural (NT)	5.00
1″	SLN1.00NT	.060″	3/4″	1 5/32″	100	50	Natural (NT)	6.10
1 1/2″	SLN1.50NT	.060″	1″	1 1/2″	100	50	Natural (NT)	10.00
2″	SLN2.00NT	.060″	1 1/4″	2 3/16″	100	25	Natural (NT)	9.00
3″	SLN3.00NT	.060″	2 1/2″	3 1/2″	100	25	Natural (NT)	11.90
4″	SLN4.00NT	.060″	3 1/2″	4 1/2″	100	25	Natural (NT)	14.80
6″	SLN6.00NT	.060″	5 1/2″	6 1/2″	100	25	Natural (NT)	17.70



New & Improved - Protects Vulnerable Welding Hoses From Catastrophic Failure

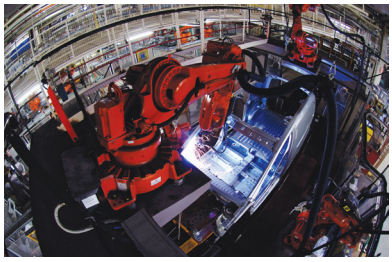
Techflex® WELD WRAP® (WWH) is braided from silica yarns with a high temperature coating and as well as hook and loop closure. Commonly used for protecting welding hoses from molten splatter and abrasion from moving and dragging. This product will withstand continuous exposure to temperatures of 500°F, and intermittent exposure to temperatures of 2,000°F.

The heavy duty hook and loop closure ensures a tight seal, and allows Weld Wrap® to be installed easily over existing assemblies. Weld Wrap® also provides a high level of abrasion and penetration protection to increase the useful life of any hoses exposed to rough or abrasive surfaces.

- ***Resists Damage from UV, Gasoline, Engine Chemicals, and as Well as Weld Splatter, Hot Slag, and Welding Spark***









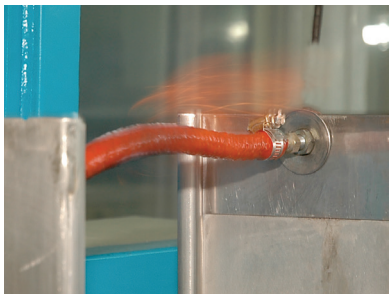
Nominal Size	Part #	Wall Thickness	Velcro Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1″	WWH1.00SV	.051″	5/8″	50′	25′	Silver (SV)	13.15
1 1/2″	WWH1.50SV	.051″	5/8″	50′	25′	Silver (SV)	16.94
2″	WWH2.00SV	.051″	5/8″	50′	25′	Silver (SV)	20.81
3″	WWH3.00SV	.051″	5/8″	50′	25′	Silver (SV)	28.53

FIRE FLEX®



- **Stable To 500°F**
- **Cut And Abrasion Resistant**
- **Halogen Free**
- **Resists Gasoline And Engine Chemicals**

Silicone Jacketed Fiberglass Resists Heat, Abrasion, & Moisture

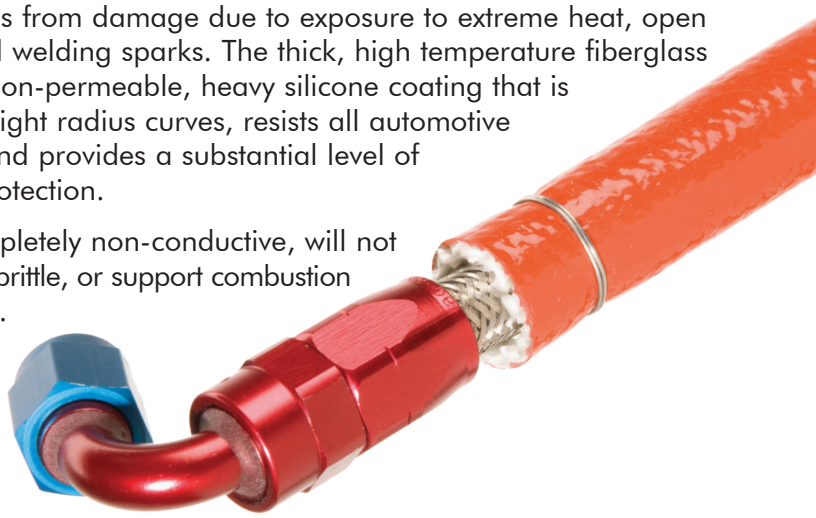


Techflex® silicone jacketed fiberglass is tested under pressure to destruction to ensure reliable fire protection for your fuel and hydraulic lines.

Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500°F is mandatory.

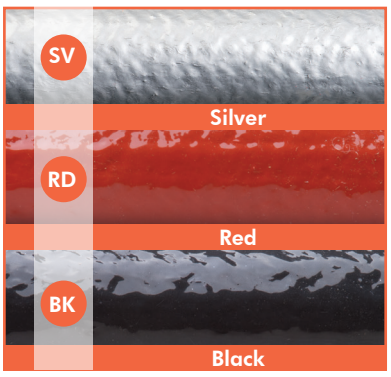
FIREFLEX® (FIN) fiberglass/silicone sleeving is engineered to protect hoses, cables, and wire harnesses from damage due to exposure to extreme heat, open flame, molten splash, and welding sparks. The thick, high temperature fiberglass sleeve is jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves, resists all automotive chemicals and solvents, and provides a substantial level of abrasion and puncture protection.

FireFlex® firesleeve is completely non-conductive, will not melt, delaminate, become brittle, or support combustion under normal conditions. It provides a professional level solution to thermal protection needs in any application.





FireFlex® Seal Tape works perfectly in conjunction with FireFlex®...it seals the ends of your application, providing a neat, insulated termination. *For more info go to page 113.*



Nominal Size	Part #	Dash No.	Wall Thickness ±0.010"	Standard Spool Put-Ups		Available Colors	Lbs/ 100'
				Bulk Spool	Shop Spool		
1/4"	FIN0.25	-04	.072"	100'	50'	SV, RD & BK	4.80
3/8"	FIN0.38	-06	.072"	100'	50'	SV, RD & BK	6.30
1/2"	FIN0.50	-08	.072"	100'	50'	SV, RD & BK	7.40
5/8"	FIN0.63	-10	.072"	100'	50'	SV, RD & BK	8.80
3/4"	FIN0.75	-12	.072"	50'	25'	SV, RD & BK	9.80
7/8"	FIN0.88	-14	.072"	50'	25'	SV, RD & BK	10.10
1"	FIN1.00	-16	.072"	50'	25'	SV, RD & BK	13.50
1 1/4"	FIN1.25	-20	.072"	50'	25'	SV, RD & BK	14.00
1 1/2"	FIN1.50	-24	.072"	50'	25'	SV, RD & BK	14.70
1 3/4"	FIN1.75	-28	.072"	50'	25'	SV, RD & BK	16.30
2"	FIN2.00	-32	.072"	50'	25'	SV, RD & BK	20.50
2 1/4"	FIN2.25	-36	.072"	50'	25'	SV, RD & BK	22.90
2 3/8"	FIN2.38	-38	.072"	50'	25'	SV, RD & BK	26.90
2 1/2"	FIN2.50	-40	.072"	50'	25'	SV, RD & BK	28.30
2 3/4"	FIN2.75	-44	.072"	50'	25'	SV, RD & BK	30.10
2 7/8"	FIN2.88	-46	.072"	50'	25'	SV, RD & BK	32.00
3"	FIN3.00	-48	.072"	50'	25'	SV, RD & BK	33.40
3 1/2"	FIN3.50	-56	.072"	25'	-	SV, RD & BK	37.20
4"	FIN4.00	-64	.072"	25'	-	SV, RD & BK	40.10

Dash numbers refer to the inside diameter (ID) of the sleeve. Please measure the outside diameter (OD) of the hose you are protecting to ensure proper fit.

RoHS Compliant

1 (833) SLEEVING
www.techflex.com

High Temperature Sleeve AS1072 Aerospace Grade

- ***Extra Thick Braid & Heavy Coating for Critical Aerospace Applications***

FIREFLEX® AERO (FIA) is engineered from a dense fiberglass sleeve and a thick coating of self-extinguishing high temperature silicone rubber that withstands 500°F continuous exposure, and molten splash up to 2,000°F.

Almost every aviation engine - turbine, turboprop, or piston (civilian and military) - uses FireFlex® Aero to protect critical hoses and wiring in the event of
an engine compartment fire. FireFlex® Aero meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance testing specification of AS1055D.

FireFlex® Aero is highly resistant to hydraulic fluids, lubricating oils, and fuels. The dense braided fiberglass interior insulates against energy loss in piping and hosing, while the high density silicone coating protects personnel from accidental injury.





Used on both military and commercial aircraft to defend hose systems from fire and thermal events.





Nominal Size	Part #	Dash No.	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/4″	FIA0.25	-04	.115″	100′	50′	BK & RD	8.04
3/8″	FIA0.38	-06	.115″	100′	50′	BK & RD	9.96
1/2″	FIA0.50	-08	.115″	100′	50′	BK & RD	14.04
5/8″	FIA0.63	-10	.115″	100′	50′	BK & RD	20.04
3/4″	FIA0.75	-12	.115″	50′	25′	BK & RD	21.96
7/8″	FIA0.88	-14	.115″	50′	25′	BK & RD	26.04
1″	FIA1.00	-16	.115″	50′	25′	BK & RD	33.00
1 1/8″	FIA1.13	-18	.115″	50′	25′	BK & RD	35.04
1 1/4″	FIA1.25	-20	.115″	50′	25′	BK & RD	36.96
1 3/8″	FIA1.38	-22	.115″	50′	25′	BK & RD	44.04
1 1/2″	FIA1.50	-24	.115″	50′	25′	BK & RD	48.00
1 5/8″	FIA1.63	-26	.115″	50′	25′	BK & RD	38.04
1 3/4″	FIA1.75	-28	.115″	50′	25′	BK & RD	42.00
1 7/8″	FIA1.88	-30	.115″	50′	25′	BK & RD	44.04
2″	FIA2.00	-32	.115″	50′	25′	BK & RD	48.00
2 1/4″	FIA2.25	-36	.115″	50′	25′	BK & RD	55.00
2 1/2″	FIA2.50	-40	.115″	50′	25′	BK & RD	65.04
2 3/4″	FIA2.75	-44	.115″	50′	25′	BK & RD	76.20
3″	FIA3.00	-48	.115″	50′	25′	BK & RD	87.00

Dash numbers refer to the inside diameter (ID) of the sleeve. Please measure the outside diameter (OD) of the hose you are protecting to ensure proper fit.

RoHS 3 Compliant

FIRE FLEX WRAP



- *Resists Molten Splash Up To 2,200°F*
- *Strong Hook And Loop Closure*
- *Wrap Around Fire Protection*

Wrappable Hose Protection

FIREFLEX® WRAP (FIW) protects and shields important hoses and cables from extreme heat and catastrophic flame outbreaks. It protects continuously to 500°F and will withstand a molten splash at 2,200°F. Its unique hook and loop closure system allows for installation without the need to remove and reconnect fittings and terminations. The reusable closure additionally allows for easy repair, minimizing labor and costly downtime.

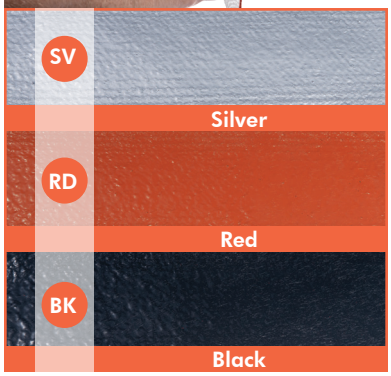


Nominal Size (Width)	Part #	Wall Thickness ±.010″	Velro Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1″	FIW1.00RD	.037″	1″	150′	25′	Red (RD)	9.16
1 1/2″	FIW1.50RD	.037″	1″	150′	25′	Red (RD)	12.98
2″	FIW2.00RD	.037″	1″	150′	25′	Red (RD)	16.80
2 1/2″	FIW2.50RD	.037″	1″	150′	25′	Red (RD)	20.61
3″	FIW3.00RD	.037″	1″	150′	25′	Red (RD)	24.43
3 1/2″	FIW3.50RD	.037″	1″	150′	25′	Red (RD)	28.25
3 3/4″	FIW3.75RD	.037″	1″	150′	25′	Red (RD)	30.00
4″	FIW4.00RD	.037″	1″	150′	25′	Red (RD)	32.07

FIRE FLEX FLAT







High Temp, Silicone Coated Fiberglass Hose Wrap

FIREFLEX® FLAT (FIF) provides the same protection against exposure to extreme heat, open flame, and molten splash as the FireFlex® sleeve, but in a versatile tape. It is specifically designed to protect components of irregular shape, such as hose splitter assemblies and cable splices. The heavy silicone coating maintains flexibility while resisting all automotive chemicals and solvents, and providing an increased level of abrasion protection. It is common for FireFlex® Flat to be overwrapped at 50%, providing a double-layer of protection. Once installed, it can be easily secured with tie-wraps, wire ties, and hose clamps.

Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3 1/2″	FIF3.50	.094″	50′	25′	SV, RD, BK	16.53

RoHS Compliant



FireFlex®
Snap Wrap For
Quick & Easy Installation

FIREFLEX® SNAP WRAP (FIS) offers the same high temperature protection as FireFlex being constructed of silicone blanketed fiberglass. Heavy duty snaps dot the edges of Snap Wrap allowing quick and easy installation that's, um...well, a snap!

FireFlex® Snap Wrap is engineered to protect welding hoses and assemblies from damage due to exposure to extreme heat, open flame, molten splash and welding sparks. The thick, high temperature fiberglass sleeve is jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves, resists all automotive chemicals and solvents, and provides a substantial level of abrasion and puncture protection. Just like FireFlex®, FireFlex® Snap Wrap is completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions. It provides a quick and professional level solution to your welding or fabrication thermal and abrasion protection needs.

- ***Melt Point At 2,048°F***
- ***Constructed Of Silicone Fiberglass***
- ***Snap Wrap For Quick Installation***
- ***Protects From Extreme Heat, Open Flame, & Molten Splash***





Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1/2″	FIS0.50RD	.07″	50′	25′	Red (RD)	12.90
3/4″	FIS0.75RD	.07″	50′	25′	Red (RD)	16.42
1″	FIS1.00RD	.07″	50′	25′	Red (RD)	19.30
1 1/4″	FIS1.25RD	.07″	50′	25′	Red (RD)	21.12
1 1/2″	FIS1.50RD	.07″	50′	25′	Red (RD)	22.80
2″	FIS2.00RD	.07″	50′	25′	Red (RD)	28.30
2 1/2″	FIS2.50RD	.07″	50′	25′	Red (RD)	31.72
3″	FIS3.00RD	.07″	50′	25′	Red (RD)	40.54
3 1/2″	FIS3.50RD	.07″	50′	25′	Red (RD)	44.72



RoHS 3 Compliant

VOLCANO SLEEVE®



- ***Exceptional Thermal Insulation***
- ***Fire Resistant And Non-Combustible***
- ***Easy To Install***
- ***Advanced Chemical Resistance***
- ***Custom Appearance***

Braided Basalt Sleeve Withstands Heat Up To 1,200°F

VOLCANO® SLEEVE (VTN) is made from continuous filament basalt fiber and engineered for protection from temperatures up to 1200°F. Flexible, durable, and easy to install, it will provide years of superior protection and unmatched aesthetics.

Basalt fiber is a 100% inorganic mineral with exceptional high temperature and shock resistant qualities. Basalt fiber is similar to fiberglass and carbon fiber but has better mechanical properties than fiberglass and is lower in cost than carbon fiber.

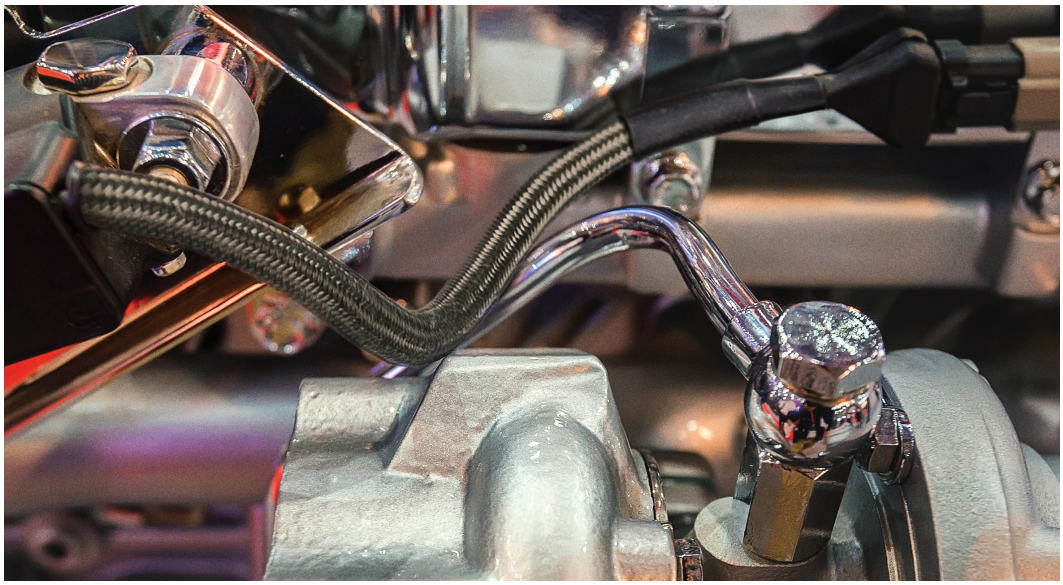
VOLCANO SLEEVE® can be used for a wide range of applications, from electrotechnical applications to fire protection in the production of cars, airplanes, ships, and household appliances.











Nominal Size	Part #	Expansion		Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min	Max		Bulk Spool	Shop Spool		
BASALT FILAMENT SLEEVE								
1/4″	VTN0.25BA	3/16″	3/8″	.025″	200′	50′	Basalt (BA)	1.63
1/2″	VTN0.50BA	1/2″	5/8″	.038″	200′	50′	Basalt (BA)	4.48
3/4″	VTN0.75BA	3/4″	1″	.025″	200′	50′	Basalt (BA)	4.74
1″	VTN1.00BA	3/4″	1 1/8″	.025″	100′	25′	Basalt (BA)	4.60
1 1/2″	VTN1.50BA	1 1/2″	2 1/2″	.050″	100′	25′	Basalt (BA)	14.60
2″	VTN2.00BA	1 3/8″	2 5/8″	.035″	100′	25′	Basalt (BA)	12.80
BASALT TEXTURIZED SLEEVE								
3″	VTN3.00BA	2″	3 1/4″	.055″	50′	25′	Basalt (BA)	13.40
4″	VTN4.00BA	3 1/4″	4 1/2″	.055″	50′	25′	Basalt (BA)	14.70

RoHS Compliant

VOLCANO EXHAUST SLEEVE



Extreme Abrasion & Heat Protection For Exhaust Systems

VOLCANO® EXHAUST SLEEVE (VES) is a specialized braid of highly texturized basalt fiber and structural paracord.

Designed with high performance in mind, VOLCANO® EXHAUST SLEEVE reduces surface temperature on exhaust systems, minimizes vibration, protects from abrasion, and delivers unmatched aesthetics.

The continuous filament basalt fiber braid provides exceptional high temperature and shock resistant qualities, while the paracord provides stability: flexible on install, the cords will cure in place once exposed to exhaust heat, so the sleeve won't unravel even under extreme stress.

- ***Excellent Abrasion Resistance***
- ***Easy To Install***
- ***Signature Good Looks***



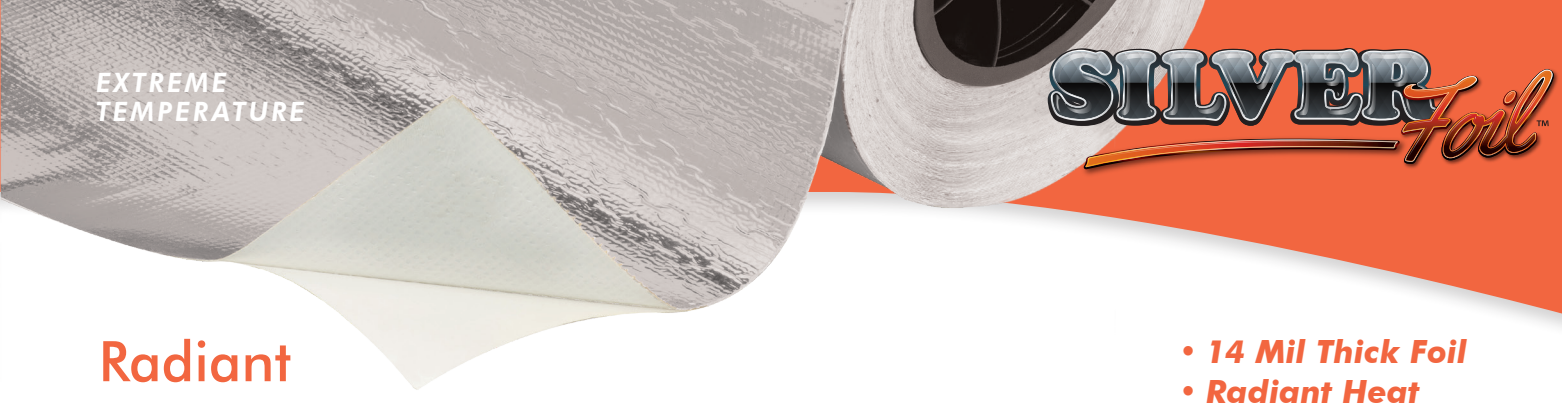








Nominal Size	Part #	Expansion		Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min	Max		Bulk Spool	Shop Spool		
2″	VES2.00BA	1 3/8″	2 5/8″	.095″	50′	25′	Basalt (BA)	22.0
4 1/4″	VES4.25BA	3 1/2″	4 3/4″	.105″	50′	25′	Basalt (BA)	41.0
6 1/2″	VES6.50BA	5 1/2″	7″	.115″	50′	25′	Basalt (BA)	64.7



Radiant
Heat Protection Up To 1,050°F

SILVER FOIL (SRF) is made from a lightweight aerospace material. This 14 mil thick foil has a fire resistant pressure sensitive adhesive which meets or exceeds the FAA 12-second vertical burn requirement. The reflective foil is easy to install and remove, and is extremely versatile in that it can be easily cut and formed.

The silver foil reflects at least 95% of radiant energy and provides continuous radiant heat protection up to 1,050°F and higher for short durations. There is a minimum of 400°F gradient temperature drop across the film during normal operating temperatures. The film is supplied in 28" wide rolls and weighs approximately 12 oz/yd^2.

- ***14 Mil Thick Foil***
- ***Radiant Heat Protection***
- ***Easy To Install***
- ***Meets Or Exceeds The FAA 12 Sec. Vertical Burn Requirement***

Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
28″	SRF28.0SV	.014″	120′	25′	Silver (SV)	19.44



Silver Foil conforms and adheres to irregular shapes.

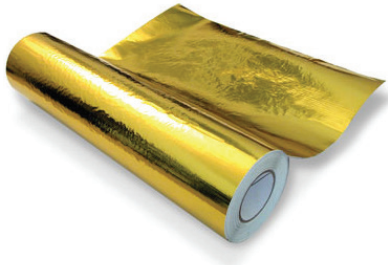


Radiant
Heat Protection Up To 750°F

The GOLD FOIL (GRF) is made from a lightweight aerospace material. This 6 mil thick foil has a fire resistant pressure sensitive adhesive that incorporates a fiberglass backing for strength and tear resistance. The adhesive meets or exceeds the FAA 12-second vertical burn requirement.
This gold reflective foil reflects up to 750°F of radiant heat and has a continuous operating temperature of 500°F. It will break down at 850°F of continuous radiant heat. There is up to a 70°F gradient temperature drop across the 6 mil thick foil during normal operating temperatures. Key benefits: can easily be cut and configured to each chassis style; easy to repair, install and remove since it adheres to itself.

- ***6 Mil Thick Foil***
- ***Reflects Radiant Heat***
- ***Fiberglass Backing***
- ***Distinct Checker Pattern Surface Texture***
- ***Continuous Operating Temperature of 500°F***

Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
24″	GRF28.0GL	.006″	150′	25′	Gold (GL)	8.13



Applications include, but are not limited to: fire walls, engine covers, side pods, suspension, under trays/floors, bulk heads and many more.

RoHS 3 Compliant



- *Flame Retardant*
- *Resists Sparks & Slag*
- *Soft & Flexible*
- *Lightweight*
- *Carbon Felt Construction*
- *1/4" Thickness*
- *Tear Resistant*
- *Max Heat Up To 1800°F*

Dragon Blanket® - Soft As A Baby's Bottom, Tough As A Dragon's Scales!

Techflex® has developed our new Dragon line of protection products to carefully protect your delicates in the harshest environments. Picture the fire breathing, metal melting, armor piercing arena that today's welders and fabricators work in every day. Our new Dragon series is made from crystalline polymer that withstands blasts from over 1,000 degrees but feels as soft as an infant's blanket.
Techflex® Dragon Blanket® will protect the million dollar hood of that priceless classic or use it to halt the weld splatter of your rusty work stand.
Techflex® weld blanket can be cut and sewn into an infinite variety of protection gear for your factory or facility or simply drape it over anything for the ultimate protection from it all.



18" x 18"



36" x 36"



72" x 72"





Nominal Size	Part #	Wall Thickness	Quantity	Available Colors	Lbs/ 1pc.
18" x 18"	DGB18.0BK	.25"	1	Black (BK)	0.271
36" x 36"	DGB36.0BK	.25"	1	Black (BK)	1.097
72" x 72"	DGB72.0BK	.25"	1	Black (BK)	4.080



Dragon Protection

Techflex® Dragon Sleeve® (DGN) is a truly non flammable product created for use in the most extreme environments. If your application comes in contact with flames, molten metal, sparks or any variety of high temperaturehazard Dragon products are available to take the abuse. Industries like motorsports, welding, fabrication, and fire safety will appreciate the versatility of Dragon Sleeve®. The high flexibility braided construction is a one of a kind solution for covering hoses and wires with a fire prevention jacket. When compared to other "non-flammable" fibers such as para-aramids Dragon fiber maintains 100% of its strength longer and at higher temperatures. Dragon Sleeve® is available in 8 standard sizes.

- *Lightweight*
- *Flame Resistant*
- *Resists Sparks*
- *Double Wall Construction*
- *Tear Resistant*

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	DGN0.13BK	1/16″	3/16″	500′	225′	Black (BK)	0.20
1/4″	DGN0.25BK	1/8″	5/16″	500′	200′	Black (BK)	0.42
3/8″	DGN0.38BK	3/16″	9/16″	500′	125′	Black (BK)	0.61
1/2″	DGN0.50BK	5/16″	7/8″	500′	100′	Black (BK)	0.80
3/4″	DGN0.75BK	3/8″	1″	250′	75′	Black (BK)	1.24
1 1/4″	DGN1.25BK	5/8″	3/4″	250′	50′	Black (BK)	2.03
1 3/4″	DGN1.75BK	3/4″	2 1/8″	200′	50′	Black (BK)	2.57
2″	DGN2.00BK	1″	2 3/4″	200′	50′	Black (BK)	3.17





No More Welding Burns!

You hold flames and produce fire from your fingertips. But, as they say, when you play with fire you're gonna get burned — until now.

A weld at an extremely awkward angle or a quick adjustment under the hood no longer need to result in scorched flesh. Constructed from proprietary Dragon Fiber, Dragon Arm is personal protection from flame and heat. Welders, mechanics, and fabricators, you need not char your skin, arm yourself with Dragon Arm.

- *Lightweight*
- *Flame Retardant*
- *Resists Sparks*
- *Max Heat Up To 1,800°F*
- *Double Wall Construction*
- *Tear Resistant*

Length	Part #	Put-Ups/Pc.	Available Colors	Lbs/ Pc.
19 1/2″	DGA0.00BK	1	Black (BK)	0.25

1 (833) SLEEVING
www.techflex.com

LIQUID WRAP



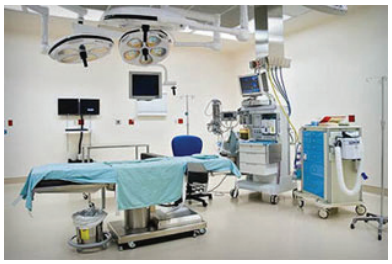
- ***Water Repellent When Properly Sealed***
- ***Will Not Support Growth of Bacteria***
- ***Disinfects Easily***
- ***Adhesive Resists Most Cleaners and Disinfectants***

Stylish Fluid Protection For Wires & Cables

Our new L6 LIQUID WRAP (L6N) semi-rigid wraparound sleeving is engineered from tough braided polyester, and laminated with a layer of strong Mylar® sheeting. This combination provides a strong and lightweight solution for any application that requires protection from repeated exposure to the elements.

The wraparound construction makes installation easy over existing assemblies or harnesses, and the extra wide adhesive strip ensures a positive, aggressive seal against damage from exposure.

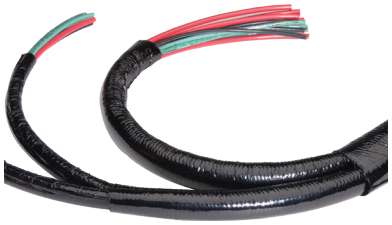
L6N is available in 8′ pre-cut sticks in Black.



The fluid resistance of Liquid Wrap sleeve makes it ideal for cable management in medical applications.



L6N is ideal for marine and automotive wiring harnesses.







Nominal Size	Wall Thickness	Part #	8′ Pcs. Put-Ups				Available Colors	Lbs/ 10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
3/8″	.046″	L6N0.38BK	125	45	25	15	Black (BK)	1.80
1/2″	.046″	L6N0.50BK	125	35	20	12	Black (BK)	2.00
3/4″	.046″	L6N0.75BK	60	25	15	5	Black (BK)	3.60
1″	.046″	L6N1.00BK	44	15	10	4	Black (BK)	4.40
1 1/4″	.046″	L6N1.25BK	30	10	5	3	Black (BK)	5.20

Mylar® is a registered trademark of DuPont Corporation.

RoHS Compliant



Self-Wrapping Flat Design

Built on the same design as our Flexo® F6® and F6® Woven, FLEXO® F6® FLAT (F6Z) is a self-wrappable sleeve used to bundle and protect wire harnesses and cable assemblies in areas where space constraints restrict the use of traditional sleeving. Lightweight and durable, it maintains its flexibility for conforming to irregular shapes and bends during installation.

Woven from monofilament and multifilament polyester yarn, Flexo® F6® Flat provides noise suppression and a high level of mechanical abrasion protection making it the perfect choice for use in automotive applications.

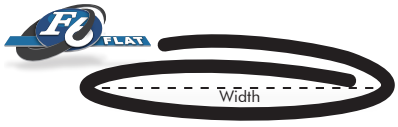
The low-profile design is great for channeling and protecting wires that run under the carpet or in the headliner of automobiles.



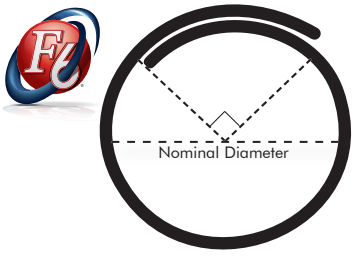
- ***Lightweight***
- ***Self-Wrapping***
- ***Durable Woven Design***
- ***Maintains Wires in Flat Shape***
- ***Abrasion Resistant***
- ***Low Profile***



F6® Flat is created to form protected wire conduits in tight spaces such as automotive interiors. Running under carpeting and in headliners can be a challenge without the F6® Flat keeping wires organized.



F6® Flat versus Flexo® F6®



F6® see page 10

Nominal Size	Part #	Width	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
1″	F6Z1.00BK	1.2″	50′	25′	Black (BK)	3.26
1 1/2″	F6Z1.50BK	1.6″	50′	25′	Black (BK)	4.34
1 3/4″	F6Z1.75BK	2.0″	50′	25′	Black (BK)	5.42
2 1/4″	F6Z2.25BK	2.4″	50′	25′	Black (BK)	6.51

RoHS Compliant

NYLON MONO



- ***Economical and Easy to Install***
- ***Braided From 12 Mil Nylon 6-6 Polyamide Monofilament Yarns***
- ***Cut and Abrasion Resistant***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***

Reliability Recognized Around The World

NYLON MONO (NYN) is commonly used in the automotive industry to protect hoses and wire harnesses from excessive wear. NYN's tough characteristics can increase hose life up to 300%. This lengthened life span is recognized in terms of reduced maintenance, a professional, attractive and durable appearance, and greater customer satisfaction. With the additional protection that NYN provides, it pays for itself throughout the life of your product.

NYN is braided from 12 mil nylon 6-6 polyamide monofilament. The tight braid construction covers fully and provides excellent surface abrasion resistance for assemblies exposed to excessive wear. The smooth nylon fibers and tight construction also reduce abrasion damage caused by hoses and harnesses rubbing against the inside wall of the sleeving.

NYN resists all automotive chemicals and won't rot or retain moisture.







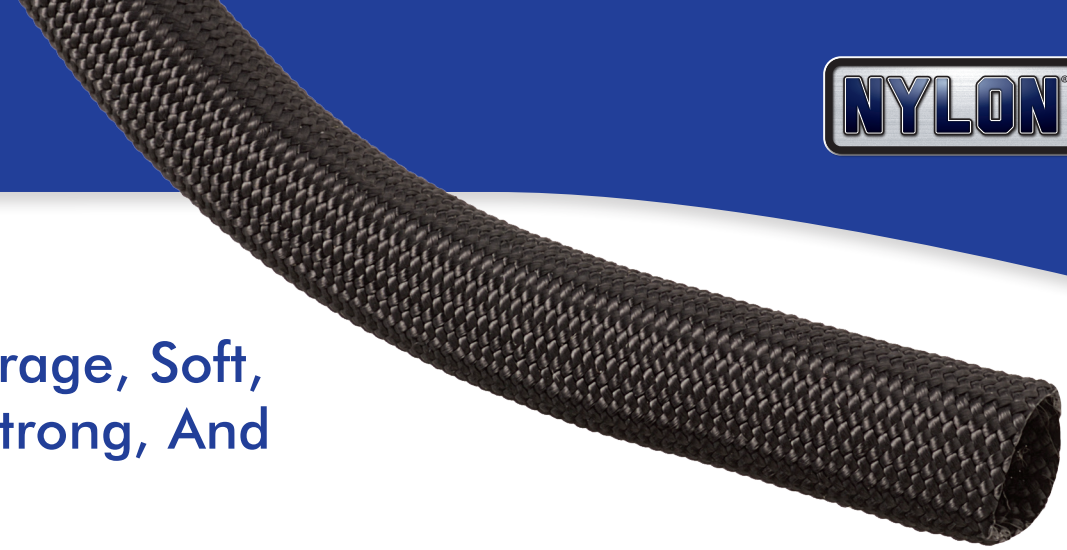
NYN's qualities of toughness and ease of installation make it the choice of auto manufacturers for protecting and managing cables and wire harnesses.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	NYN0.13BK	3/32″	1/4″	1,000′	225′	Black (BK)	0.22
1/4″	NYN0.25BK	1/8″	3/8″	1,000′	200′	Black (BK)	0.31
3/8″	NYN0.38BK	1/4″	7/16″	500′	125′	Black (BK)	0.72
1/2″	NYN0.50BK	3/8″	3/4″	500′	100′	Black (BK)	1.03
5/8″	NYN0.63BK	7/16″	1″	500′	100′	Black (BK)	1.12
3/4″	NYN0.75BK	1/2″	1 1/4″	250′	75′	Black (BK)	1.47
1″	NYN1.00BK	5/8″	1 3/8″	250′	50′	Black (BK)	1.60
1 1/4″	NYN1.25BK	3/4″	1 1/2″	250′	50′	Black (BK)	1.78
1 1/2″	NYN1.50BK	1″	2″	200′	40′	Black (BK)	2.55
2″	NYN2.00BK	1 1/2″	3″	200′	50′	Black (BK)	2.26

1 (833) SLEEVING
www.techflex.com

RoHS Compliant

NYLON MULTI™



Full Coverage, Soft, Supple, Strong, And Attractive

Under the hood or across the floor, NYLON MULTI (NMN) is the perfect sleeving product for protecting and improving the appearance of wires and cables. Nylon Multi has been used in military wire harness applications for many years.

NMN's fabric-like softness and flexibility meet surprisingly tough specifications. The high coverage sleeving meets or exceeds military specifications A-A-59301. NMN is highly resistant to abrasion, cuts, common automotive and marine chemicals, UV damage, and vibration. It will not rot or retain moisture.

The wide operating temperature range allows NMN to protect delicate wiring in engine compartments and near exhaust systems. NMN creates a unique and attractive retro look when installed on a/v cables. Nylon Multi can also be custom braided in a variety of colors to complement any application.



- ***Dense, Full Coverage Construction***
- ***Economical and Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Soft, Pliable, & Quiet***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***
- ***Wide Operating Temperature Range***



NMN's qualities make it a viable choice for defense and military applications that call for flexibility, strength, and full coverage protection.

Nominal Size	Part #	Wall Thickness ±0.015″	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3/32″	NMN0.09BK	.020″	1,000′	225′	Black (BK)	0.29
1/8″	NMN0.13BK	.020″	1,000′	225′	Black (BK)	0.33
3/16″	NMN0.19BK	.030″	1,000′	200′	Black (BK)	0.56
1/4″	NMN0.25BK	.030″	500′	200′	Black (BK)	0.79
5/16″	NMN0.31BK	.030″	500′	125′	Black (BK)	0.99
3/8″	NMN0.38BK	.030″	500′	125′	Black (BK)	1.09
1/2″	NMN0.50BK	.030″	250′	100′	Black (BK)	1.74
5/8″	NMN0.63BK	.040″	250′	75′	Black (BK)	2.85
3/4″	NMN0.75BK	.040″	250′	75′	Black (BK)	3.15
7/8″	NMN0.88BK	.040″	200′	50′	Black (BK)	4.35
1″	NMN1.00BK	.050″	200′	50′	Black (BK)	5.15
1 1/4″	NMN1.25BK	.050″	125′	50′	Black (BK)	5.50
1 1/2″	NMN1.50BK	.060″	100′	50′	Black (BK)	6.46
1 3/4″	NMN1.75BK	.060″	100′	50′	Black (BK)	7.73
2″	NMN2.00BK	.060″	100′	50′	Black (BK)	9.01
2 1/2″	NMN2.50BK	.060″	100′	50′	Black (BK)	10.32
3″	NMN3.00BK	.060″	100′	50′	Black (BK)	11.00
Tight Weave						
3/8″	NMT0.38BK	.030″	250′	75′	Black (BK)	1.47



Specialized cutting services available. Contact your account representative for more info.

RoHS 2 Compliant

MAS Major Aircraft Specified



1 (833) SLEEVING
www.techflex.com



- ***Highly Reflective***
- ***Easy to Install***
- ***Cut And Abrasion Resistant***
- ***Resists Gasoline and Engine Chemicals***



No special tools or skills required for installation.



See pg. 123 for bike kits.

Reflective, Split Semi Rigid Sleeving For Easy Installation

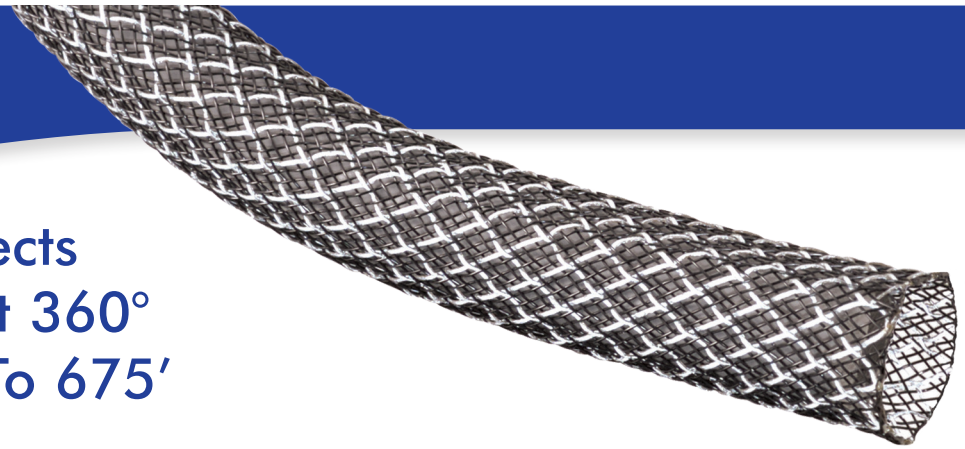
Ease of installation makes F6® REFLEX® (F6R) the most suitable reflective sleeving for applications where disassembly of the components is not a viable option. Just open the lateral split and slip the sleeving over wires or cables. The sleeving will snap back in place and provide an extra measure of safety under low light conditions.



F6® Reflex® is available in clear. Patent pending.

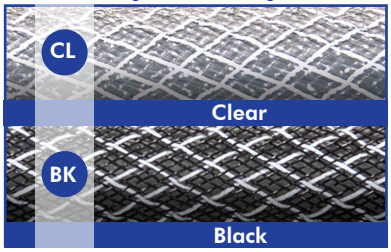
Under low light conditions, the retroreflective strands in F6® Reflex® sleeving reflect light up to 1,500 times more efficiently than bright white sleeving.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3/16″	F6R0.19CL	0.025″	200′	100′	Clear (CL)	0.58



- ***Highly Reflective***
- ***Easy to Install***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***

Under low light conditions, the retroreflective strands in FLEXO® Reflex® sleeving reflect light up to 1,500 times more efficiently than bright white sleeving.



Reflects Light 360° Up To 675′

FLEXO® REFLEX® (RFN) is our polyethylene terephthalate material braided together with highly reflective 3M Scotchlite retroreflective monofilament. This unique combination provides a high level of wire and cable protection with the added advantage of extraordinary 360 degree, on-axis reflectivity. RFN is up to 1,500 times brighter than plain white under identical conditions and will provide high visibility safety on wires, hoses, cables, bicycle and motorcycle cables, stage wiring, and virtually anything else up to 675′ away. Reflective even under low light conditions. Patent pending.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	RFN0.13CL	1/16″	1/4″	1,000′	100′	Clear (CL)	0.29
1/4″	RFN0.25	3/16″	3/8″	1,000′	100′	CL & BK	0.33
1/2″	RFN0.50	1/4″	1″	500′	100′	CL & BK	0.52
3/4″	RFN0.75	3/8″	1 3/8″	250′	75′	CL & BK	0.63

1 (833) SLEEVING
www.techflex.com

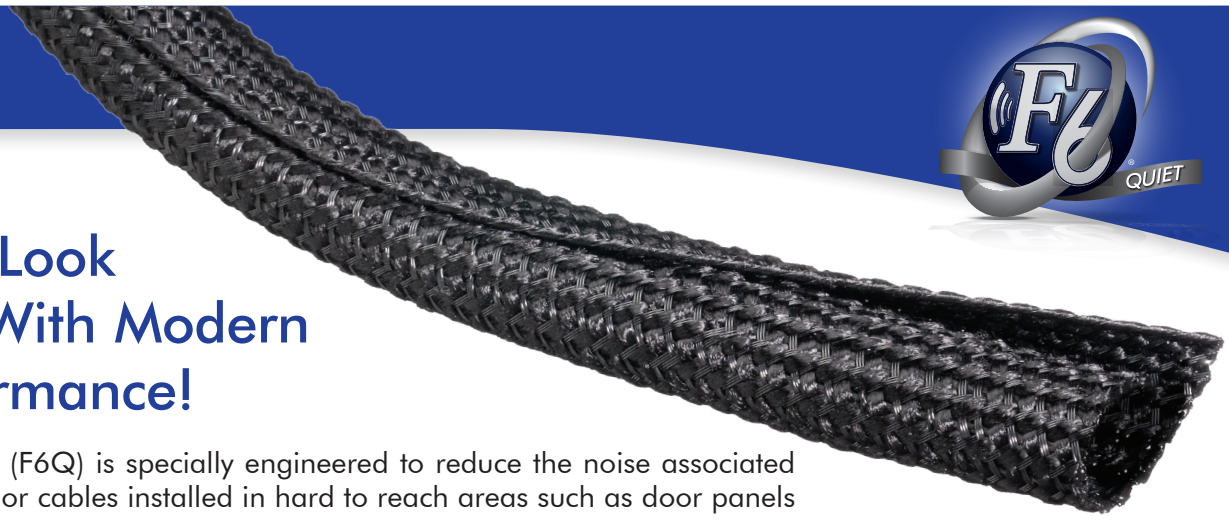


Self-Fitting Protective Oversleeve

Flexo® Noise Reduction (NRN) is a biaxially braided sleeving combining monofilament and multifilament PET yarns to create a full coverage expandable sleeve that substantially reduces noise on wires, tubes, and hoses. The lightweight, rugged construction also provides protection from abrasion and vibration that is far superior to foam harness sleeves. NRN expands for easy installation over splices and connectors and is flexible enough for tight radius applications. The braided construction will not hold moisture and drains quickly when immersed. NRN is used in body wiring harnesses, instrument panel and lighting wiring, cable & hose assemblies, and other limited access applications where noise reduction is desirable.

- ***Excellent Noise Suppression***
- ***Abrasion Resistant***
- ***Extremely Lightweight***
- ***Attractive Appearance***
- ***Does Not Trap Heat or Moisture***
- ***Rated to 257°F***
- ***Low Temperature Flexibility to -94°F***

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	NRN0.13BK	1/8″	3/16″	500′	100′	Black (BK)	0.3
1/4″	NRN0.25BK	1/4″	3/8″	500′	100′	Black (BK)	0.5
3/8″	NRN0.38BK	3/8″	1/2″	250′	100′	Black (BK)	0.9
1/2″	NRN0.50BK	1/2″	3/4″	250′	100′	Black (BK)	1.1
5/8″	NRN0.63BK	5/8″	1″	250′	100′	Black (BK)	1.5
3/4″	NRN0.75BK	3/4″	1 1/4″	250′	75′	Black (BK)	2.0
1″	NRN1.00BK	1″	1 5/8″	250′	50′	Black (BK)	2.4



Nostalgic Look and Feel With Modern Day Performance!

FLEXO® F6® QUIET (F6Q) is specially engineered to reduce the noise associated with wire harnesses or cables installed in hard to reach areas such as door panels or dashboards.

The special construction suppresses noise from loose harnesses moving against body or dash panels. F6® Quiet also has a soft and flexible feel, reminiscent of an old style cotton loom, making it the perfect product for restoration projects.

- ***Retro Look for Audio Cables***
- ***Soft Classic Cotton Loom Feel***
- ***Cut and Abrasion Resistant***
- ***Cuts Cleanly with Hot Knife***

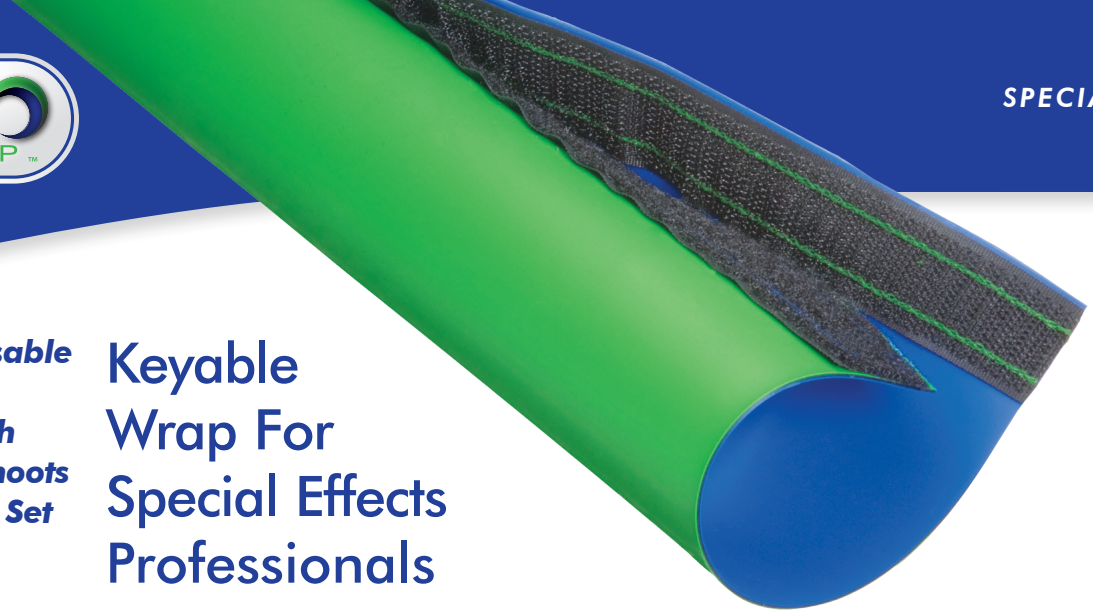
Nominal Size	Part #	Wall Thickness ±0.005″	Bulk Spool	Box A	Box B	Available Colors	Lbs/ 100′
1/4″	F6Q0.25BK	.04″	2,000′	200′	100′	Black (BK)	1.00
3/8″	F6Q0.38BK	.04″	1,000′	150′	75′	Black (BK)	1.80
1/2″	F6Q0.50BK	.04″	800′	150′	75′	Black (BK)	2.00
3/4″	F6Q0.75BK	.04″	500′	100′	50′	Black (BK)	3.00
1 1/4″	F6Q1.25BK	.04″	250′	75′	25′	Black (BK)	4.00



RoHS Compliant

1 (833) SLEEVING
www.techflex.com

STUDIO KEY WRAP™



- ***Durable and Reusable Design***
- ***Works Well in Both Film and Video Shoots***
- ***Covers Wires and Set Pieces***

Keyable Wrap For Special Effects Professionals





Whether your studio is set up for green or blue, reversible Key Wrap has you covered.



Studio Key Wrap works great for temporarily covering valuable light booms and stationary poles.

Blue/green screen was originally invented as a film technique to separate the actors and composite them over another background. The reason both green and blue are used is because they are the least prominent colors in our skin tone. The goal in using a green or a blue screen is to isolate the subject.

Following the same concept, Techflex® engineers have designed STUDIO KEY WRAP (SKN), a reversible, bright blue/green sleeving, which is perfect cover-up for wires on your set. During film editing, you can easily key-out the green and blue colors, so you will be left with just your subject, without any background or wires hanging around, and set pieces.

Studio Key Wrap is made of durable, two sided vinyl, with blue on one side and green on the other, and it has hook and loop for quick and easy installation. Our sleeving is thick enough not to let the light pass through it and also protects your cables against moisture.



Patent # US 8,205,314 B1

Nominal Size	Part #	Wall Thickness	Hook & Loop	Standard Spool Put-Ups Spool Length	Available Colors	Lbs/ 10′
2″	SKN2.00BG	.048″	1″	10′	Blue/Green (BG)	2.25
2 1/2″	SKN2.50BG	.048″	1″	10′	Blue/Green (BG)	2.80

Contact your account representative for additional sizes.

1 (833) SLEEVING
www.techflex.com



The Ultimate Termination Solution For Flexo Sleeving

Our new patented Flexo® Mounting System (FMS) has been created to attractively terminate applications with a secure mountable end. This new Mounting System is engineered to work great with Flexo® PET 1½" & 1¾", (pg. 6) and with Flexo® Clean Cut 1½" (pg. 13).

The installer friendly part clamps securely onto the sleeve without attaching to your wiring for ideal strain relief. The two piece construction removes any limitations in size created by large connectors and preserves the sleeving expandability.

Automotive grade glass filled nylon construction is suitable for a variety of applications.

At the heart of the FMS is the Snap Ring Collar. When used in conjunction with the pressure ring it permanently holds the sleeve in place.



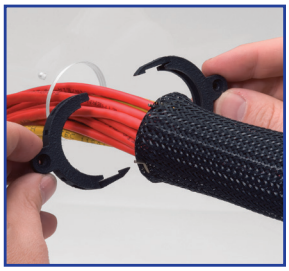


When used in conjunction with the Techflex® wall plate, the FMS creates a lasting terminated assembly.

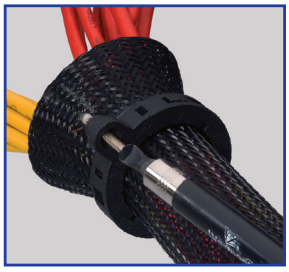
Patent # US 8,157,820 B1

Part #	Description	Available Colors	Lbs/ Pkg.
FMS1.50FL	Packaging of a Single Flange	Black (BK)	0.03
FMS1.50FL5	Packaging of 5 Pc. Flange	Black (BK)	0.15
FMP1.50PLATE	Wall Plate only (includes 2 screws)	Black (BK), Almond (BE) & White (WH)	0.09
FMS1.50FK	Finishing Pack: 1 Flange & 1 Wall Plate	Black (BK), *Almond (BE) & *White (WH) (*Plate only)	0.12

Easy Field Installation



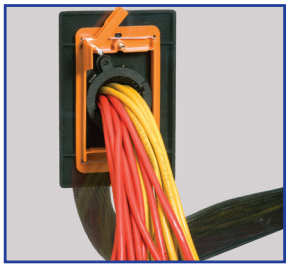
Universal Screw Mount



Easy Clip, No Special Tool Required



Fits In Single Gang Wall Box



Super Strong Strain Relief For Your Wires



1 (833) SLEEVING
www.techflex.com

DURA™ HVAC WRAP



- ***600 Denier Polyester With Urethane Coating***
- ***Water Repellent***
- ***Mildew Resistant***
- ***Building Code Compliant C 403.2.10.1 & R 403.4.1***
- ***Meets California Building Energy Standards***
- ***ASTM E96 Class III Vapor Retarder***

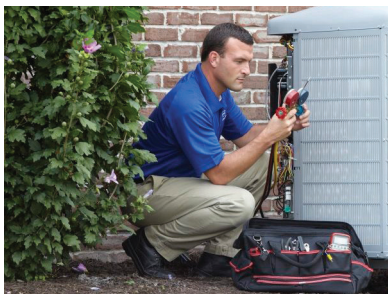
Super Fast HVAC Foam Protection

With the introduction of new building code regulations regarding protection of foam insulation on HVAC line sets, Techflex® has developed a new lightweight wrap to assist installers with code compliance. Our new Dura HVAC Wrap is constructed of a tightly woven breathable polyester shell that offers protection from wind, rain, mildew, UV rays and abrasion. The extra wide hook and loop closure assists in covering multiple diameters quickly and easily for a tight fit.



Protect your HVAC foam insulation from harmful UV rays with Dura HVAC Wrap.



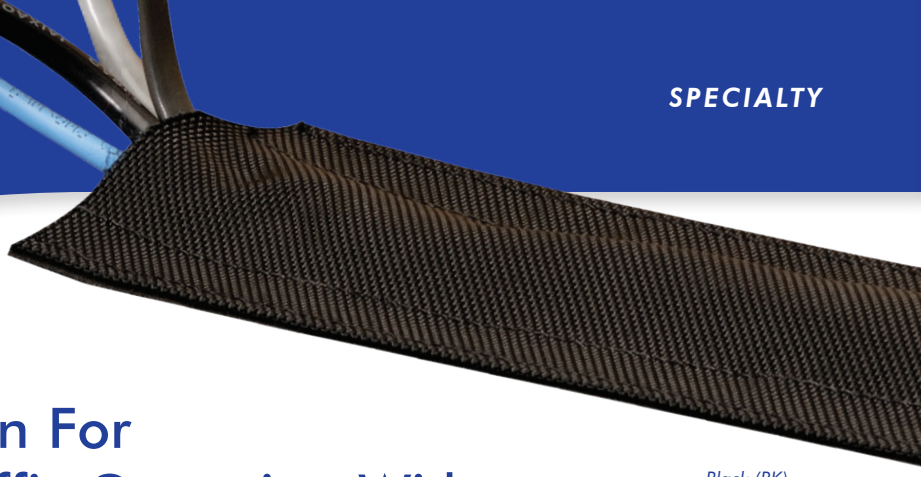




BUILDING CODE COMPLIANT C403.2.10.1 & R403.4.1

Piping insulation exposed to the weather shall be protected from damage, including that due to sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

Nominal Size	Part #	Wall Thickness	Hook & Loop	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1 1/2″	FPW1.50BK	.013″	1 1/2″	150′	25′	Black (BK)	4.71
2″	FPW2.00BK	.013″	1 1/2″	150′	25′	Black (BK)	5.34
2 1/2″	FPW2.50BK	.013″	1 1/2″	150′	25′	Black (BK)	5.89
3″	FPW3.00BK	.013″	1 1/2″	150′	25′	Black (BK)	6.66
3 1/2″	FPW3.50BK	.013″	1 1/2″	150′	25′	Black (BK)	7.10
4″	FPW4.00BK	.013″	1 1/2″	150′	25′	Black (BK)	7.84
4 1/2″	FPW4.50BK	.013″	1 1/2″	150′	25′	Black (BK)	8.36



Black (BK)

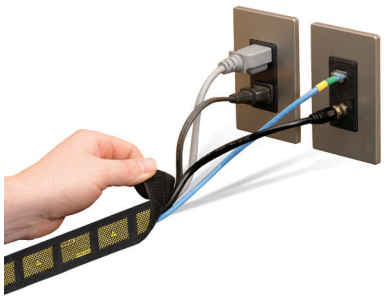
- ***Tightly Woven Ballistic Nylon Construction***
- ***Heavy Duty Hook Closure for Carpet Installation***
- ***Repels Liquids***
- ***Resists and Prevents Damage from UV, Abrasion, & Chemicals***

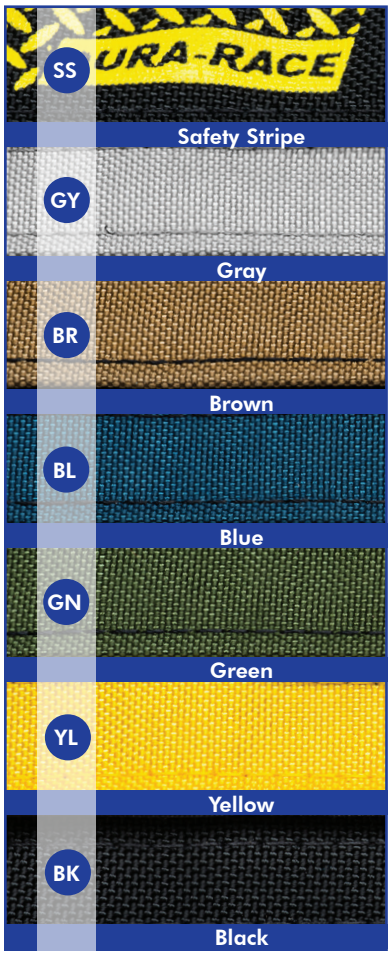
Abrasion Protection For High-Traffic Carpeting With Easy On, Easy Off Hook Closure

DURA RACE (DRN) is the solution for hiding and protecting wires that are exposed on carpeted areas. Dura Race is braided from a tightly woven ballistic nylon.

With industrial strength hook closure, this covering will adhere to most industrial and high traffic carpeting, making it easy to lay over wires, cables, or hoses keeping them protected from abrasion. Dura Race tightly holds the application close to the carpeting, avoiding trips or falls on free lying wires.

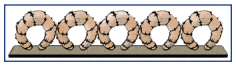
DRN provides greater abrasion resistance and water repellency compared to other nylon sleeves.

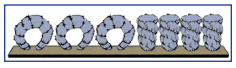


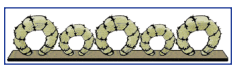




Recommended for use with:


Loop Pile


Cut & Loop Pile

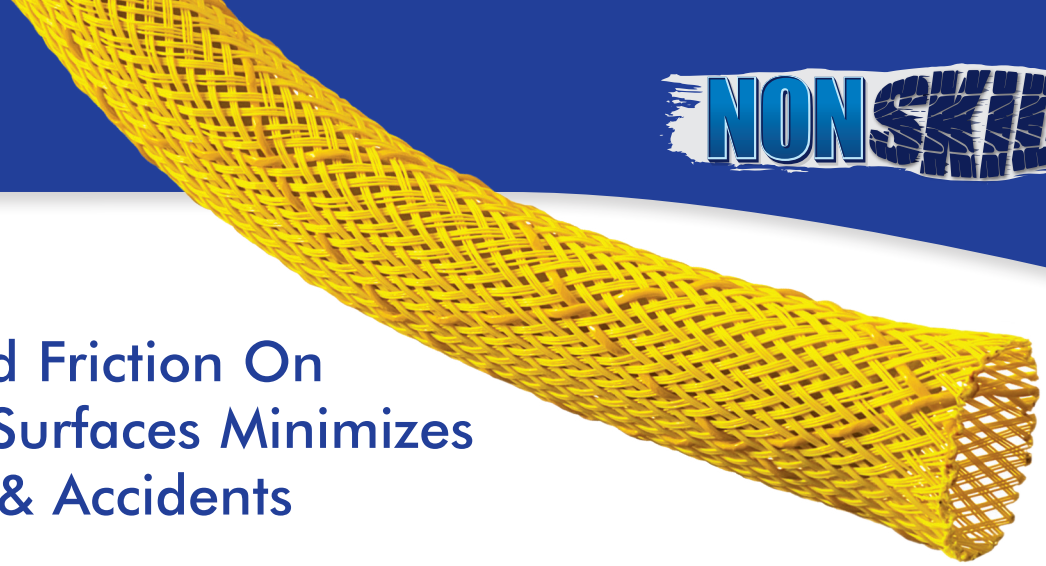

Patterned Loop Pile

NOT recommended for use with:


Cut Pile

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
			Bulk Spool	Shop Spool		
3″	DRN3.00	.012″	150′	25′	GY, BR, BL, GN, YL, BK	4.29
4″	DRN4.00	.012″	150′	25′	SS, GY, BR, BL, GN, YL, BK	5.26
5″	DRN5.00	.012″	150′	25′	SS, GY, BR, BL, GN, YL, BK	7.00

NON-SKID™



Increased Friction On Smooth Surfaces Minimizes Slipping & Accidents

FLEXO® NON-SKID (NSN) is a unique combination of our standard PET material braided together with high-friction polymer filaments.

NSN is engineered primarily for wire and cable management on smooth floor, high traffic environments such as broadcast studios where someone might inadvertently step on a cable snake and slip.

As long as there's no excessive pressure on the cables protected with NSN, the entire snake glides easily and quietly along the floor. When local pressure is applied, such as when someone steps on the cable, the high friction material comes in contact with the floor and reduces the possibility of the cable sliding out from underfoot. NSN is substantially less "slippery" than our regular PET, yet provides the same level of flexibility and protection from cable wear and abrasion.

- ***Manages & Protects Cable Bundles***
- ***Increases Safety in Foot Traffic Areas***
- ***Economical and Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Expands up to 150%***





Non-Skid is ideal for smooth floor areas such as photo, film, and TV studios where cable snakes, high foot traffic, and low light combine to create a slipping hazard.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Up		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	NSN0.25	1/8″	7/16″	1,000′	200′	NY, SS & BK	0.44
3/8″	NSN0.38	3/16″	1/2″	500′	125′	NY, SS & BK	0.57
1/2″	NSN0.50	1/4″	3/4″	500′	100′	NY, SS & BK	0.89
5/8″	NSN0.63	3/8″	1″	500′	75′	NY, SS & BK	1.04
3/4″	NSN0.75	1/2″	1 1/4″	250′	70′	NY & BK	1.25
1 1/4″	NSN1.25	3/4″	1 3/4″	200′	50′	NY, SS & BK	1.96
1 1/2″	NSN1.50	1″	2″	200′	40′	NY, SS & BK	2.25
2″	NSN2.00	1 1/2″	3 1/2″	200′	50′	NY & BK	2.75

RoHS 2 Compliant



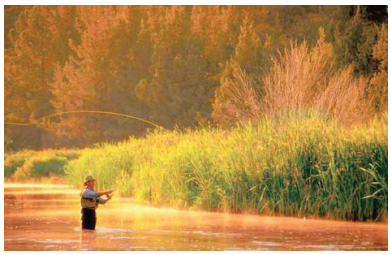
- ***Economical and Easy to Install***
- ***Expands up to 150%***
- ***Halogen Free***
- ***Conductive Mylar® for Shielding Applications***

Lightweight, Economical Metallic Alternative

When your needs don't require the durability or toughness of our CH or CX sleeving, FLEXO® MYLAR® (MYN) is an ideal, economical alternative. MYN is perfect for cosmetic applications, and a wide variety of installation methods create dramatic results.

Audiophile cable builders often use MYN under other sleeving types to create a unique, custom visual effect. Applications that combine MYN with a more robust sleeving will withstand abrasion and general use and still have the custom, "Wow!" effect cable fabricators are looking for.

Braided from thin metallic Mylar® strips along with transparent PET monofilament, MYN creates a sparkling, highly reflective effect. MYN can be used instead of Mylar® sheets to wrap and bundle cables.

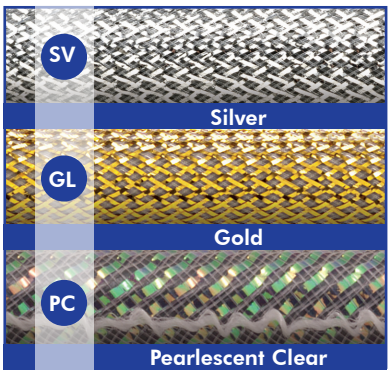




Light weight and economical make MYN an ideal product for designing and tying fishing lures of all types and sizes. Several world records have been set with lures constructed with Techflex® sleeving.



Spectacular highlights and unique visual effects are achieved when Mylar is combined with other sleeving types.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	MYN0.25	1/8″	7/16″	1,000′	200′	GL & SV	0.17
1/2″	MYN0.50	1/4″	1″	500′	100′	GL & SV	0.35
3/4″	MYN0.75	5/8″	1 3/4″	250′	75′	GL & SV	0.52

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	MYE0.13PC	1/16″	5/32″	1,000′	225′	PC	0.08
1/4″	MYE0.25PC	5/32″	5/16″	1,000′	200′	PC	0.10
3/8″	MYE0.38PC	5/16″	15/32″	500′	125′	PC	0.11
1/2″	MYE0.50PC	1/4″	3/4″	500′	100′	PC	0.42

Mylar® is a registered trademark of DuPont Corporation.

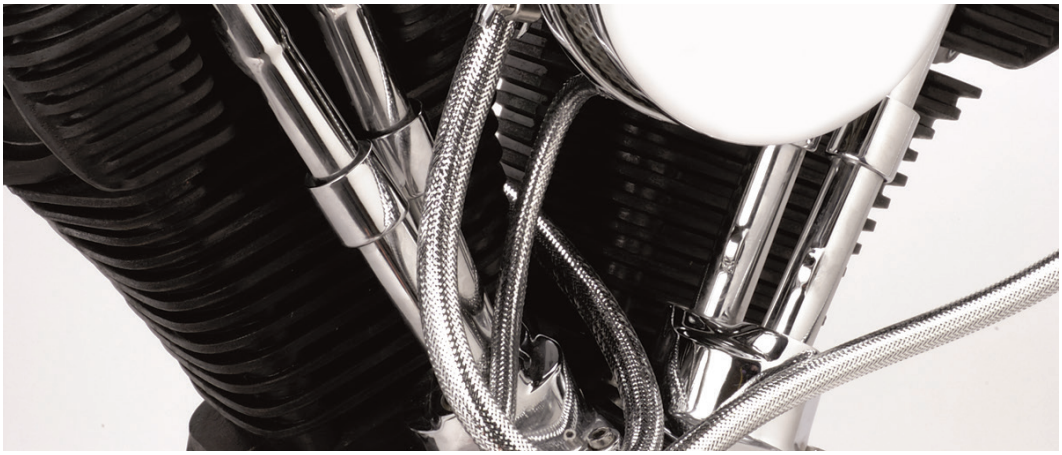
The Look Of Stainless Steel Braid With An Upside



No installation hassles. No surface abrasion. No ridiculous expense. Just the look of polished braided steel.

These heavy duty metallized Mylar® sleeves are ideal for dressing up any application with the look of braided stainless steel. The standard CHROME (CHN) has a more open look, with transparent PET braided together with the metallic strands, to create a slight glimmer when light strikes it, and to allow the color of the application to come through for a special effect. Our X-tra coverage product, CHROME XC (CXN), provides fuller coverage with no transparent elements in the braided construction and results in a smooth, continuous metallic shine on any application.

- ***Economical and Easy to Install***
- ***Cut and Abrasion Resistant***
- ***Halogen Free***
- ***Resists Gasoline and Engine Chemicals***
- ***Ideal for Exposed Applications***
- ***Conductive Mylar® for Shielding Applications***

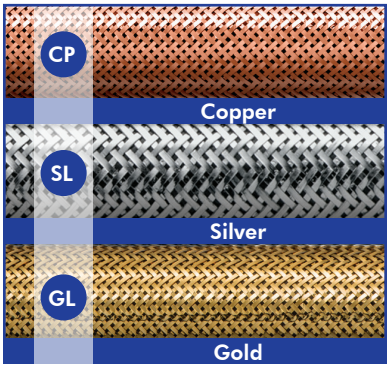




Application possibilities include installing clear PVC Heatshrink Tubing (pg. 98) over wires or hoses covered with Chrome or Chrome XC, and also using the Chrome Cable Ties (pg. 115) for a unique installation.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	CHN0.25SV	3/16″	1/2″	500′	125′	Silver (SV)	0.33
3/8″	CHN0.38SV	1/4″	5/8″	250′	100′	Silver (SV)	0.39
1/2″	CHN0.50SV	3/8″	3/4″	250′	80′	Silver (SV)	0.47

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/4″	CXN0.25	1/4″	5/16″	500′	125′	CP, SV, GL	0.25
5/16″	CXN0.31	5/16″	1/2″	250′	100′	CP, SV, GL	0.36
1/2″	CXN0.50	1/2″	3/4″	250′	80′	CP, SV, GL	0.52
3/4″	CXN0.75	3/4″	1 3/8″	200′	40′	CP, SV, GL	0.83
1 1/4″	CXN1.25	1 1/4″	2″	100′	30′	CP, SV, GL	1.25
1 1/2″	CXN1.50	1 1/2″	3″	100′	25′	CP, SV, GL	1.50



Mylar® is a registered trademark of DuPont Corporation.

RoHS Compliant



FLEXO 6 MIL



- ***Easy to Engineer to Unique Specifications***
- ***Economical, Long Lasting Filtration Solutions***
- ***Wide Range of Available Materials***
- ***Can Be Fabricated into Custom Configurations***
- ***Reduced Wall Thickness***

High Density Fine Thread Sleeving

One of the most unique applications for expandable braided sleeving is the filtration of small particles from flowing liquids. Our standard FLEXO® 6 MIL (FFN) is a great off the shelf solution.

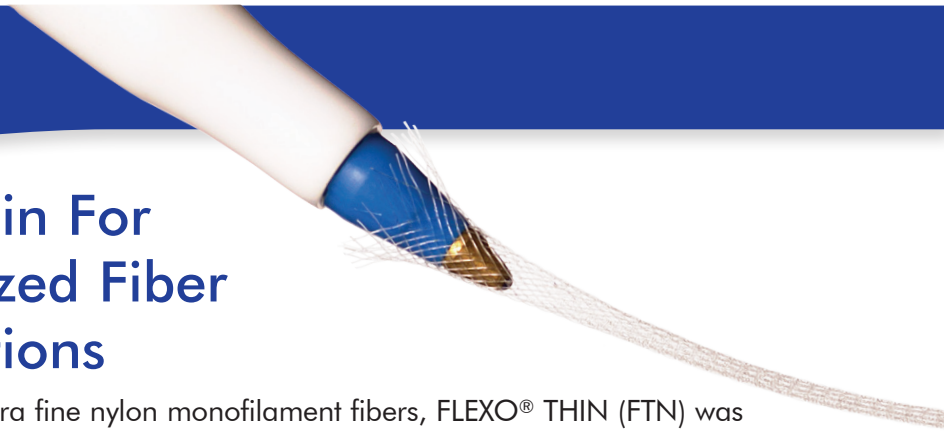
Flexo® 6 Mil uses chemical resistant PET fiber to create an ultra flexible sleeve. The small monofilaments bond easily when heated to create lasting shapes; with one end sealed completely, it becomes a durable sock.

Also sold by the name Filter Flexo®.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/8″	FFN0.13CL	1/16″	1/2″	1,000′	225′	Clear (CL)	0.18
1/4″	FFN0.25CL	3/16″	3/8″	1,000′	200′	Clear (CL)	0.33
5/16″	FFN0.31CL	5/16″	7/16″	500′	150′	Clear (CL)	0.43
3/8″	FFN0.38CL	5/16″	5/8″	500′	125′	Clear (CL)	0.53
1/2″	FFN0.50CL	1/2″	3/4″	500′	100′	Clear (CL)	0.82
5/8″	FFN0.63CL	1/2″	1″	250′	100′	Clear (CL)	1.00

FLEXO THIN



Ultra Thin For Specialized Fiber Applications

Braided from ultra fine nylon monofilament fibers, FLEXO® THIN (FTN) was created for applications where weight and wall thickness play a critical role. This material is strong enough to bundle multiple cables and fibers while naturally conforming to these types of applications. Many of today's micro optics and precision electronic harnesses use Flexo® Thin to flexibly and attractively manage and route tiny assemblies.



1/4″ Flexo® Thin's enormous expandability allows the management of large bundles of very fine wiring and optical cables.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
		Min.	Max.	Bulk Spool	Shop Spool		
1/16″	FTN0.06CL	1/16″	3/16″	1,000′	200′	Clear (CL)	0.013
1/4″	FTN0.25CL	1/8″	1″	500′	200′	Clear (CL)	0.043

1 (833) SLEEVING
www.techflex.com



Carbon Fiber Sleeve For High Strength Tubular Structures

Fabricators know that resin coated carbon fiber structures are stronger and lighter than virtually any other construction types. CARBON FIBER construction techniques are appearing in everything from state of the art military and aerospace airframes to hockey sticks, fishing rods, and model cars.

Our Carbon Fiber braided sleeving provides a strong, biaxial carbon fiber matrix for stiff, lightweight tubular structures up to 3" in diameter without seams or overlap. The tightly braided, thick flexible sleeving will form itself to accommodate elliptical or asymmetrical profiles and provide the full coverage required for radial stability and torsional strength. Carbon Fiber constructions can be cut, drilled, sanded, and tooled with commonly available power or hand tools. They can be painted or left with the braid structure exposed.







- ***Ideal for Strong, Lightweight Tubular Structures***
- ***Variety of Diameters, Wall Thicknesses, and Braid Patterns***
- ***Fast Turnaround on Custom Requirements***
- ***Custom Lengths Available***

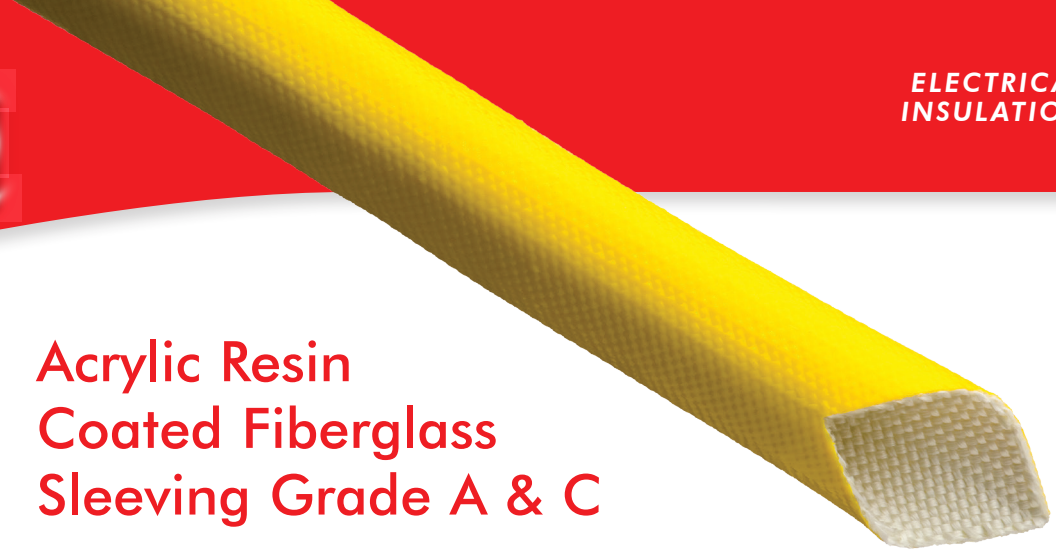
	Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Min.	Max.	Bulk Spool	Shop Spool		
CARBON LIGHT	1/4"	CAL0.25BK	.013"	1/8"	5/16"	500′	100′	Black (BK)	0.38
	1/2"	CAL0.50BK	.013"	1/4"	5/8"	250′	50′	Black (BK)	0.75
	3/4"	CAL0.75BK	.013"	5/16"	7/8"	250′	50′	Black (BK)	1.21
	1"	CAL1.00BK	.013"	3/8"	1 1/16"	200′	50′	Black (BK)	1.51
	1 1/4"	CAL1.25BK	.013"	1/2"	1 1/2"	125′	25′	Black (BK)	1.81
	1 1/2"	CAL1.50BK	.013"	5/8"	1 3/4"	100′	25′	Black (BK)	2.26
	2"	CAL2.00BK	.013"	3/4"	2 3/16"	100′	25′	Black (BK)	2.72
CARBON MEDIUM	1/2"	CAN0.50BK	.020"	1/4"	5/8"	250′	50′	Black (BK)	1.21
	3/4"	CAN0.75BK	.020"	5/16"	7/8"	250′	50′	Black (BK)	1.81
	1"	CAN1.00BK	.020"	7/16"	1 1/16"	200′	50′	Black (BK)	2.42
	1 1/4"	CAN1.25BK	.020"	9/16"	1 1/2"	125′	25′	Black (BK)	3.02
	1 1/2"	CAN1.50BK	.020"	3/4"	1 3/4"	100′	25′	Black (BK)	3.62
	2"	CAN2.00BK	.020"	7/8"	2 3/16"	100′	25′	Black (BK)	4.52
	2 1/2"	CAN2.50BK	.020"	1 1/16"	3"	100′	25′	Black (BK)	5.43
CARBON HEAVY	3/4"	CAH0.75BK	.030"	3/8"	7/8"	250′	50′	Black (BK)	2.72
	1"	CAH1.00BK	.030"	1/2"	1 1/16"	200′	50′	Black (BK)	3.62
	1 1/4"	CAH1.25BK	.030"	11/16"	1 1/2"	125′	25′	Black (BK)	4.83
	1 1/2"	CAH1.50BK	.030"	13/16"	1 3/4"	100′	25′	Black (BK)	5.43
	2"	CAH2.00BK	.030"	1"	2 3/16"	100′	25′	Black (BK)	7.25
	2 1/2"	CAH2.50BK	.030"	1 1/4"	3"	100′	25′	Black (BK)	9.09
	3"	CAH3.00BK	.030"	1 1/2"	3 1/2"	50′	25′	Black (BK)	10.87



Strong, lightweight, and stable carbon fiber tubes are easy to machine and finish, and mate well with metal fittings.



FLEX GLASS ACRYLIC™



- **Rated to 311°F Class F (155°C)**
- **Grade A (7,000 V) Mil-I-3190/3**
- **Grade C (2,500 V)**
- **Cut and Abrasion Resistant**
- **Excellent Low Temp. Flexibility**
- **Resists Acids and Most Organic Solvents**

Acrylic Resin Coated Fiberglass Sleeving Grade A & C

ACRYLIC FLEX GLASS (AG) sleeving is a heat-treated, tightly braided fiberglass sleeving coated with a dielectric acrylic resin. This durable sleeving will withstand mechanical stress and holds its dielectric strength on all bends.

Acrylic Flex Glass is used in applications such as relays, radio circuits, transformers, and lead/crossover protection on motors. Highly resistant to acids and solvents, and able to withstand tough assembly handling.

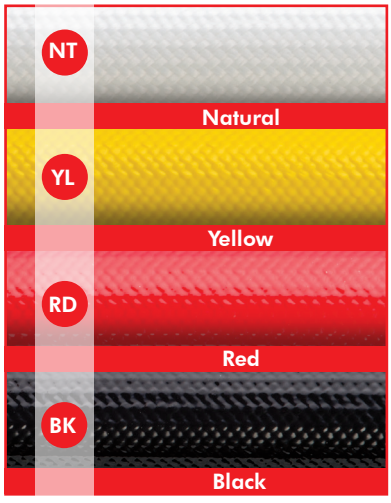
AG sleeving is recommended for thermal requirements from -13°F to 311°F ranges.

The superior electrical properties of ACRYLIC FLEX GLASS enable it to provide its rated dielectric strength both during and after your application's demanding requirements.



High temperature fiberglass base material makes Flex Glass a great solution for demanding lighting applications.





Nominal Size	Diameter	Part #	Grade	Part #	Grade	Standard Spool Put-Ups		Available Colors
						Bulk Spool	Shop Spool	
24	0.022″	AGAG.24	A	AGCG.24	C	500′	250′	NT, YL, RD, BK
22	0.027″	AGAG.22	A	AGCG.22	C	500′	250′	NT, YL, RD, BK
20	0.034″	AGAG.20	A	AGCG.20	C	500′	250′	NT, YL, RD, BK
18	0.042″	AGAG.18	A	AGCG.18	C	500′	250′	NT, YL, RD, BK
16	0.053″	AGAG.16	A	AGCG.16	C	500′	250′	NT, YL, RD, BK
14	0.066″	AGAG.14	A	AGCG.14	C	500′	250′	NT, YL, RD, BK
12	0.085″	AGAG.12	A	AGCG.12	C	250′	100′	NT, YL, RD, BK
11	0.095″	AGAG.11	A	AGCG.11	C	250′	100′	NT, YL, RD, BK
10	0.106″	AGAG.10	A	AGCG.10	C	250′	100′	NT, YL, RD, BK
9	0.118″	AGAG.09	A	AGCG.09	C	250′	100′	NT, YL, RD, BK
8	0.133″	AGAG.08	A	AGCG.08	C	250′	100′	NT, YL, RD, BK
7	0.148″	AGAG.07	A	AGCG.07	C	250′	100′	NT, YL, RD, BK
6	0.166″	AGAG.06	A	AGCG.06	C	250′	100′	NT, YL, RD, BK
5	0.186″	AGAG.05	A	AGCG.05	C	250′	100′	NT, YL, RD, BK
4	0.208″	AGAG.04	A	AGCG.04	C	250′	100′	NT, YL, RD, BK
3	0.234″	AGAG.03	A	AGCG.03	C	250′	100′	NT, YL, RD, BK
2	0.263″	AGAG.02	A	AGCG.02	C	250′	100′	NT, YL, RD, BK
1	0.294″	AGAG.01	A	AGCG.01	C	100′	50′	NT, YL, RD, BK
0	0.330″	AGAG.00	A	AGCG.00	C	100′	50′	NT, YL, RD, BK
3/8″	0.375″	AGA0.38	A	AGC0.38	C	100′	50′	NT, YL, RD, BK
7/16″	0.438″	AGA0.44	A	AGC0.44	C	100′	50′	NT, YL, RD, BK
1/2″	0.500″	AGA0.50	A	AGC0.50	C	100′	50′	NT, YL, RD, BK
5/8″	0.625″	AGA0.63	A	AGC0.63	C	100′	50′	NT, YL, RD, BK
3/4″	0.750″	AGA0.75	A	AGC0.75	C	100′	50′	NT, YL, RD, BK
7/8″	0.875″	AGA0.88	A	AGC0.88	C	100′	50′	NT, YL, RD, BK
1″	1.000″	AGA1.00	A	AGC1.00	C	100′	50′	NT, YL, RD, BK



Vinyl Coated Fiberglass Sleeving Grade A & C

VINYL FLEX GLASS (VG) sleeving is a heat-treated, tightly braided fiberglass sleeving coated with a firmly bonded plasticized polyvinylchloride film.

This durable sleeving will withstand mechanical stress and holds its dielectric strength on all bends.

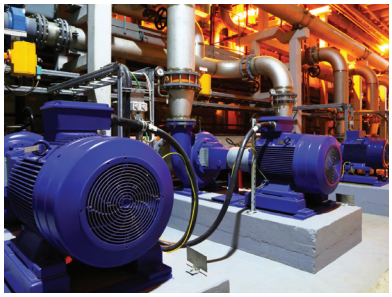
Vinyl Flex Glass is used for supplementary insulation on transformer, motor, generator, and resistor leads. Also other applications include television, radio, and other electronic circuits where it can be pushed back to permit soldering. Highly resistant to acids and solvents, and will withstand tough assembly handling.

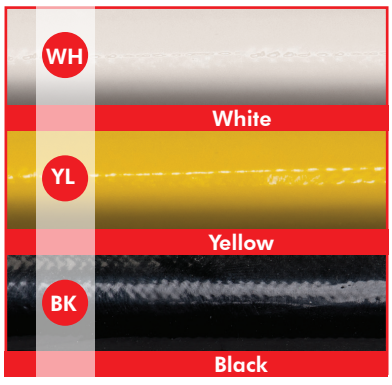
The vinyl compound is designed for continuous operation at 266°F temperatures, while providing excellent abrasion and cut-through resistance.

- ***Rated to 266°F Class H (130°C)***
- ***Grade A (8,000 V) Mil-I-003190/2***
- ***Cut-Through and Abrasion Resistant***
- ***Excellent Low Temp. Flexibility***

Nominal Size	Part #	Diameter Minimum	Grade	Part #	Grade	Standard Spool Put-Ups		Available Colors
						Bulk Spool	Shop Spool	
24	VGAG.24	0.020″	A	VGCG.24	C	500′	250′	WH, YL, BK
22	VGAG.22	0.025″	A	VGCG.22	C	500′	250′	WH, YL, BK
20	VGAG.20	0.032″	A	VGCG.20	C	500′	250′	WH, YL, BK
18	VGAG.18	0.040″	A	VGCG.18	C	500′	250′	WH, YL, BK
17	VGAG.17	0.045″	A	VGCG.17	C	500′	250′	WH, YL, BK
16	VGAG.16	0.051″	A	VGCG.16	C	500′	250′	WH, YL, BK
15	VGAG.15	0.057″	A	VGCG.15	C	500′	250′	WH, YL, BK
14	VGAG.14	0.064″	A	VGCG.14	C	500′	250′	WH, YL, BK
13	VGAG.13	0.072″	A	VGCG.13	C	250′	100′	WH, YL, BK
12	VGAG.12	0.081″	A	VGCG.12	C	250′	100′	WH, YL, BK
11	VGAG.11	0.091″	A	VGCG.11	C	250′	100′	WH, YL, BK
10	VGAG.10	0.102″	A	VGCG.10	C	250′	100′	WH, YL, BK
9	VGAG.09	0.114″	A	VGCG.09	C	250′	100′	WH, YL, BK
8	VGAG.08	0.129″	A	VGCG.08	C	250′	100′	WH, YL, BK
7	VGAG.07	0.144″	A	VGCG.07	C	250′	100′	WH, YL, BK
6	VGAG.06	0.162″	A	VGCG.06	C	250′	100′	WH, YL, BK
5	VGAG.05	0.182″	A	VGCG.05	C	250′	100′	WH, YL, BK
4	VGAG.04	0.204″	A	VGCG.04	C	250′	100′	WH, YL, BK
3	VGAG.03	0.229″	A	VGCG.03	C	250′	100′	WH, YL, BK
2	VGAG.02	0.258″	A	VGCG.02	C	250′	100′	WH, YL, BK
1	VGAG.01	0.289″	A	VGCG.01	C	100′	50′	WH, YL, BK
0	VGAG.00	0.325″	A	VGCG.00	C	100′	50′	WH, YL, BK
3/8″	VGA0.38	0.375″	A	VGC0.38	C	100′	50′	WH, YL, BK
7/16″	VGA0.44	0.438″	A	VGC0.44	C	100′	50′	WH, YL, BK
1/2″	VGA0.50	0.500″	A	VGC0.50	C	100′	50′	WH, YL, BK
5/8″	VGA0.63	0.625″	A	VGC0.63	C	100′	50′	WH, YL, BK
3/4″	VGA0.75	0.750″	A	VGC0.75	C	100′	50′	WH, YL, BK
7/8″	VGA0.88	0.875″	A	VGC0.88	C	100′	50′	WH, YL, BK
1″	VGA1.00	1.000″	A	VGC1.00	C	100′	50′	WH, YL, BK







RoHS 3 Compliant

VW-1

FLEX GLASS SILICONE FLAME RETARDANT



- **Rated to 392°F Class H (200°C)**
- **Flame Retardant**
- **Grade A (8,000 V) Mil-I-3190/6**
- **Grade C (2,500 V)**
- **Cut and Abrasion Resistant**
- **Excellent Low Temp. Flexibility**
- **Resists Acids, Alkalis, Organic Solvents, & Alphatic Hydrocarbons**

FR Silicone Coated Fiberglass Sleeving Grade A & C

FLAME RETARDANT SILICONE FLEX GLASS (SF) sleeving is an extremely flexible braided fiberglass sleeve coated with a flame retardant elastometric silicone rubber sheath.

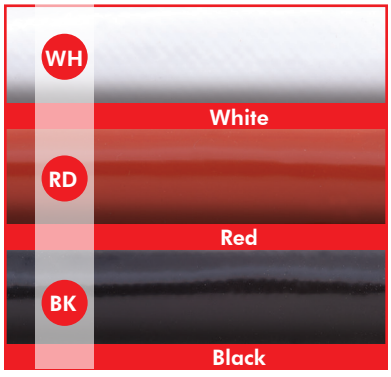
The unique self-fitting construction allows SF sleeving to expand slightly for easy installation, and provides a snug fit for minimum movement and reduced internal abrasion.

SF sleeving is rated to 392°F. (Class H), is abrasion resistant, and maintains its flexibility in low temperature environments. SF is available in a very wide range of sizes, and is ideal for use in appliance assemblies, wire harnesses, transformer leads, power supplies, motor coil, and heater leads.



Tomorrow's electric vehicles are more compact with higher power. Flex Glass FR is designed to control up to 7,000 volts in tight spaces safely and efficiently.





Nominal Size	Diameter	Part #	Grade	Available Colors	Part #	Grade	Standard Spool Put-Ups		Available Colors
							Bulk Spool	Shop Spool	
24	0.022″	SFAG.24	A	WH,RD,BK	SFCG.24	C	500′	250′	WH,RD,BK
22	0.027″	SFAG.22	A	WH,RD,BK	SFCG.22	C	500′	250′	WH,RD,BK
20	0.034″	SFAG.20	A	WH,RD,BK	SFCG.20	C	500′	250′	WH,RD,BK
18	0.042″	SFAG.18	A	WH,RD,BK	SFCG.18	C	500′	250′	WH,RD,BK
16	0.053″	SFAG.16	A	WH,RD,BK	SFCG.16	C	500′	250′	WH,RD,BK
14	0.066″	SFAG.14	A	WH,RD,BK	SFCG.14	C	500′	250′	WH,RD,BK
12	0.085″	SFAG.12	A	WH,RD,BK	SFCG.12	C	250′	100′	WH,RD,BK
10	0.106″	SFAG.10	A	WH,RD,BK	SFCG.10	C	250′	100′	WH,RD,BK
9	0.118″	SFAG.09	A	WH,RD,BK	SFCG.09	C	250′	100′	WH,RD,BK
8	0.133″	SFAG.08	A	WH,RD,BK	SFCG.08	C	250′	100′	WH,RD,BK
7	0.148″	SFAG.07	A	WH,RD,BK	SFCG.07	C	250′	100′	WH,RD,BK
6	0.166″	SFAG.06	A	WH,RD,BK	SFCG.06	C	250′	100′	WH,RD,BK
5	0.186″	SFAG.05	A	WH,RD,BK	SFCG.05	C	250′	100′	WH,RD,BK
4	0.208″	SFAG.04	A	WH,RD,BK	SFCG.04	C	250′	100′	WH,RD,BK
3	0.234″	SFAG.03	A	WH,RD,BK	SFCG.03	C	250′	100′	WH,RD,BK
2	0.263″	SFAG.02	A	WH,RD,BK	SFCG.02	C	250′	100′	WH,RD,BK
1	0.294″	SFAG.01	A	WH,RD,BK	SFCG.01	C	100′	50′	WH,RD,BK
0	0.330″	SFAG.00	A	WH,RD,BK	SFCG.00	C	100′	50′	WH,RD,BK
3/8″	0.375″	SFA0.38	A	WH,RD,BK	SFC0.38	C	100′	50′	WH,RD,BK
7/16″	0.438″	SFA0.44	A	WH,RD,BK	SFC0.44	C	100′	50′	WH,RD,BK
1/2″	0.500″	SFA0.50	A	WH,RD,BK	SFC0.50	C	100′	50′	WH,RD,BK
5/8″	0.625″	SFA0.63	A	WH,RD,BK	SFC0.63	C	100′	50′	WH,RD,BK
3/4″	0.750″	SFA0.75	A	WH,RD,BK	SFC0.75	C	100′	50′	WH,RD,BK
7/8″	0.875″	SFA0.88	A	WH,RD,BK	SFC0.88	C	100′	50′	WH,RD,BK
1″	1.000″	SFA1.00	A	WH,RD,BK	SFC1.00	C	100′	50′	WH,RD,BK
1 1/4″	1.250″	SFA1.25	A	WH,RD,BK	N/A	N/A	100′	50′	N/A
1 1/2″	1.500″	SFA1.50	A	WH,RD,BK	N/A	N/A	100′	50′	N/A



Heavy Wall Silicone Coated Fiberglass Sleeving

HEAVY WALL FLEX GLASS (SG) is engineered from a high quality braided fiberglass sleeve surrounded by a heavy silicone rubber coating. SG expands slightly for easy installation, and is tough and flexible enough for use in tight radius applications. The silicone coating will expand and flex without cracks or fractures, and the treated fiberglass minimizes end fray and dusting during assembly and use. Heavy Wall Flex Glass resists dielectric breakdown caused by operational stresses.

SG is highly abrasion resistant and remains flexible in low temperature applications. It is also resistant to common chemicals, inorganic acids, alkalis, and alphatic hydrocarbons. Rated to 392°F. (Class H), SG is in extensive use in dry-type transformer applications, and is ideal for terminal insulation and protection in a wide range of operating environments.

- ***Rated to 392°F Class H (200°C)***
- ***15,000 V***
- ***Excellent Low Temp. Flexibility***
- ***Low Temp. Brittle Point Below -121°F***
- ***Resists Inorganic Acids, Alkalis, and Alphatic Hydrocarbons***



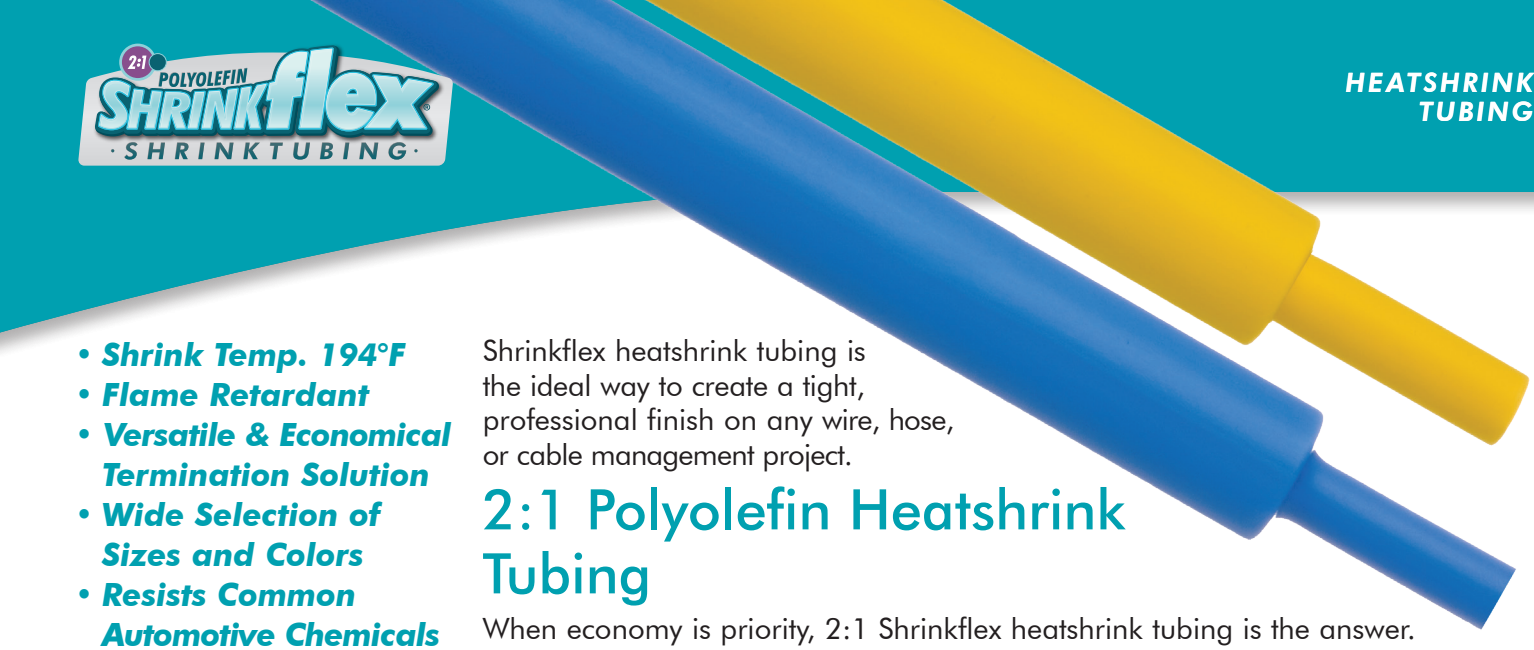
Nominal Size	Diameter	Part #	Grade	Standard Spool Put-Ups		Available Colors
				Bulk Spool	Shop Spool	
14	0.066″	SGHG.14RD	15,000 V	500′	N/A	Red (RD)
12	0.085″	SGHG.12RD	15,000 V	250′	N/A	Red (RD)
10	0.106″	SGHG.10RD	15,000 V	250′	N/A	Red (RD)
9	0.118″	SGHG.09RD	15,000 V	250′	N/A	Red (RD)
8	0.133″	SGHG.08RD	15,000 V	250′	N/A	Red (RD)
7	0.148″	SGHG.07RD	15,000 V	250′	N/A	Red (RD)
6	0.166″	SGHG.06RD	15,000 V	250′	N/A	Red (RD)
5	0.186″	SGHG.05RD	15,000 V	250′	N/A	Red (RD)
4	0.208″	SGHG.04RD	15,000 V	250′	N/A	Red (RD)
3	0.234″	SGHG.03RD	15,000 V	250′	N/A	Red (RD)
2	0.263″	SGHG.02RD	15,000 V	250′	N/A	Red (RD)
1	0.294″	SGHG.01RD	15,000 V	250′	N/A	Red (RD)
0	0.330″	SGHG.00RD	15,000 V	100′	N/A	Red (RD)
3/8″	0.375″	SGH0.38RD	15,000 V	100′	N/A	Red (RD)
7/16″	0.438″	SGH0.44RD	15,000 V	100′	N/A	Red (RD)
1/2″	0.500″	SGH0.50RD	15,000 V	100′	N/A	Red (RD)
5/8″	0.625″	SGH0.63RD	15,000 V	100′	N/A	Red (RD)
3/4″	0.750″	SGH0.75RD	15,000 V	100′	N/A	Red (RD)
7/8″	0.875″	SGH0.88RD	15,000 V	50′	N/A	Red (RD)
1″	1.000″	SGH1.00RD	15,000 V	50′	N/A	Red (RD)





RoHS 3 Compliant

2:1 POLYOLEFIN SHRINKflex · SHRINKTUBING ·



- **Shrink Temp. 194°F**
- **Flame Retardant**
- **Versatile & Economical Termination Solution**
- **Wide Selection of Sizes and Colors**
- **Resists Common Automotive Chemicals**
- **Mil-I-23053/5**

Shrinkflex heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose, or cable management project.

2:1 Polyolefin Heatshrink Tubing

When economy is priority, 2:1 Shrinkflex heatshrink tubing is the answer. Not as versatile as a high ratio shrink product, 2:1 will still slide easily over small inline splices and connectors and provide a tight seal in many applications.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
3/64″	H2N0.05	1.3mm	0.6mm	500′	25′	11	0.16
1/16″	H2N0.06	1.8mm	0.8mm	500′	25′	11	0.22
1/8″	H2N0.13	3.2mm	1.6mm	500′	25′	11	0.43
3/16″	H2N0.19	5.0mm	2.4mm	250′	25′	BK & CL	0.60
1/4″	H2N0.25	6.4mm	3.2mm	250′	25′	11	1.04
3/8″	H2N0.38	9.5mm	4.8mm	200′	25′	11	1.31
1/2″	H2N0.50	12.7mm	6.4mm	200′	25′	11	1.52
5/8″	H2N0.63	16.7mm	8.0mm	200′	25′	11	2.12
3/4″	H2N0.75	19.1mm	9.4mm	100′	25′	11	2.58
1″	H2N1.00	25.7mm	12.7mm	100′	25′	11	3.74
1 1/2″	H2N1.50	38.1mm	19.1mm	100′	25′	11	5.53
2″	H2N2.00	51.0mm	25.4mm	100′	25′	11	8.25
3″	H2N3.00	76.2mm	38.1mm	100′	25′	BK,CL,GN,GY,RD,WH,YL	13.15
4″	H2N4.00BK	101.6mm	50.8mm	100′	25′	BK	23.50
6″	H2N6.00BK	152.4mm	76.2mm	82′	25′	BK	28.00



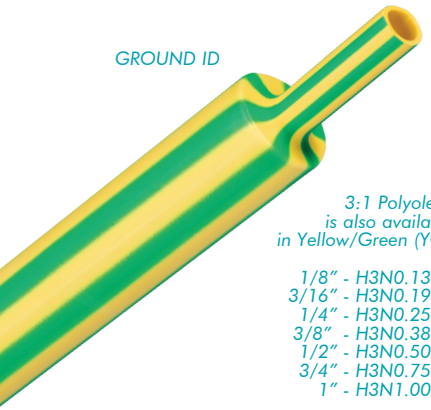
Shrinkflex shop spools fit into our dispenser kit (pg. 119) for easy storage and organization.

3:1 POLYOLEFIN SHRINKflex · SHRINKTUBING ·

3:1 Polyolefin Heatshrink Tubing

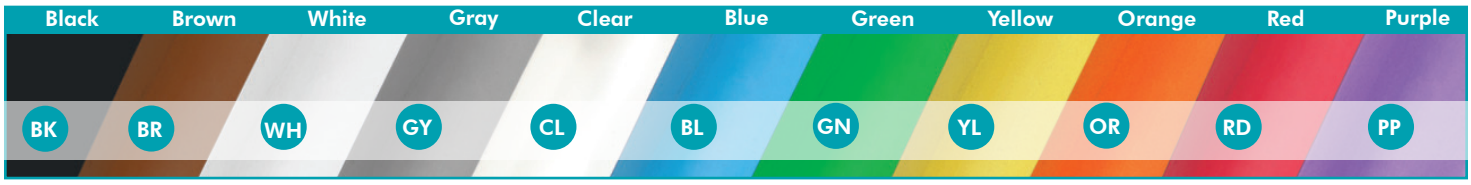
The high shrink ratio of 3:1 Shrinkflex heatshrink tubing ensures that the tubing will slip over large connectors or plugs and still provide a tight, professional seal.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/16″	H3N0.06	1.5mm	0.5mm	500′	25′	11	0.18
1/8″	H3N0.13	3.2mm	1.0mm	500′	25′	11 & YG	0.37
3/16″	H3N0.19	4.5mm	1.5mm	250′	25′	11 & YG	0.55
1/4″	H3N0.25	6.0mm	2.0mm	250′	25′	11 & YG	0.74
3/8″	H3N0.38	9.0mm	3.0mm	200′	25′	11 & YG	1.01
1/2″	H3N0.50	12.0mm	4.0mm	200′	25′	11 & YG	1.28
3/4″	H3N0.75	18.8mm	6.0mm	100′	25′	11 & YG	1.87
1″	H3N1.00	24.0mm	8.0mm	100′	25′	11 & YG	2.86
1 1/2″	H3N1.50	38.0mm	13.0mm	100′	25′	11	4.51
2″	H3N2.00	50.0mm	17.0mm	100′	25′	11	6.33
3″	H3N3.00	75.0mm	25.4mm	100′	20′	BK	10.33



3:1 Polyolefin is also available in Yellow/Green (YG).

1/8″ - H3N0.13YG
3/16″ - H3N0.19YG
1/4″ - H3N0.25YG
3/8″ - H3N0.38YG
1/2″ - H3N0.50YG
3/4″ - H3N0.75YG
1″ - H3N1.00YG



1 (833) SLEEVING
www.techflex.com

Contact your account representative for heatshrink cutting & printing services.

Shrinkflex - Printed With Your Logo Or Part Number For Branding And Identification



Techflex® is happy to provide this unique service for our customers. Our proprietary heatshrink printing process allows you to select from our available combinations of heatshrink products and design your own customized heatshrink tubing.

You can choose from any of our 11 tubing colors (pg. 96), and 9 ink colors: black, blue, gold, green, purple, red, silver, white, and yellow.

Your finished art will be prepared by our graphics department and printed on our high resolution equipment. Please contact your account representative for more details.



• PRINTING • LOGOS • ID NUMBERS • CUT PARTS • JIT

Put your company's brand where your customers will see it!



RoHS 2002/95/EC Compliant

VW-1

(Clear is not UL or VW-1 certified.)

1 (833) SLEEVING
www.techflex.com

- ***Shrink Temp. 194°F***
- ***Flame Retardant***
- ***Versatile & Economical Termination Solution***
- ***Resists Common Automotive Chemicals***
- ***Easily Installs Over Connectors & Splices***



4:1 Polyolefin Heatshrink Tubing

4:1 Shrinkflex heatshrink tubing is the most versatile of the heatshrink products. The high shrink ratio ensures that the tubing will slip over large connectors or plugs and still provide a tight, professional seal.

This high shrink ratio tubing shrinks 75% or more in the radial direction and 50% or less in the axial direction. Resistant to abrasion, chemicals, and oils, Shrinkflex tubing will ensure maximum protection while providing neat end terminations.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/2″	H4N0.50BK	12.0mm	3.0mm	200′	25′	Black (BK)	1.17
3/4″	H4N0.75BK	19.0mm	4.5mm	100′	25′	Black (BK)	2.75
1″	H4N1.00BK	25.4mm	7.0mm	100′	25′	Black (BK)	3.25
1 1/4″	H4N1.25BK	32.0mm	8.0mm	100′	25′	Black (BK)	4.00
1 1/2″	H4N1.50BK	38.0mm	9.5mm	100′	25′	Black (BK)	4.25

VW-1

Ultra Clear 2:1 PVC Heatshrink Tubing



Stays clear when shrunk.

Shrinks to 1/2 its original diameter. Ultra clear PVC heatshrink tubing is ideal for applications where complete transparency is required.
PVC is perfect for protecting exposed wires and cables on motorcycles and custom automobiles. Resists gasoline, oil, and common chemicals; provides protection from abrasion and severe environments.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/16″	H2P0.06	1.6mm	0.8mm	1,000′	100′	CL & BK	0.20
1/4″	H2P0.25	6.4mm	3.2mm	250′	25′	CL & BK	0.60
5/16″	H2P0.31	8.0mm	4.0mm	250′	25′	CL & BK	0.70
3/8″	H2P0.38	9.5mm	4.8mm	250′	25′	CL & BK	0.80
1/2″	H2P0.50	12.7mm	6.4mm	250′	25′	CL & BK	1.10
5/8″	H2P0.63	15.9mm	7.9mm	250′	25′	CL & BK	1.16
3/4″	H2P0.75	19.1mm	9.5mm	250′	25′	CL & BK	1.90
1″	H2P1.00	25.4mm	12.7mm	250′	25′	CL & BK	3.00
1 1/2″	H2P1.50	38.1mm	19.1mm	100′	25′	CL & BK	5.30
2″	H2P2.00	50.8mm	25.4mm	100′	25′	CL & BK	8.02
2 1/2″	H2P2.50CL	63.5mm	31.8mm	100′	25′	Clear CL	9.45
3″	H2P3.00CL	76.2mm	38.1mm	50′	25′	Clear CL	18.00

Contact your account representative for heatshrink cutting & printing services.



2:1 Fabric Heatshrink Tubing

Shrinks to 1/2 its original diameter. Fabric heatshrink tubing, a unique mixture of polyolefin and polyester yarns, is the ideal way to form the only shrinkable fabric of its kind. The woven construction makes this product extremely flexible and resistant to trapping water, heat, and humidity. Provides outstanding abrasion, chafing, and cutting protection, even at high temperatures.
Shrinkflex fabric tubing is designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles. Also suitable for other applications, such as noise and rattle suppression.

- ***Shrink Temp. 275°F***
- ***Highly Flexible***
- ***Resists Common Automotive Chemicals***
- ***Easily Installs Over Connectors & Splices***
- ***Halogen Free***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/2″	H2F0.48BK	12mm	6mm	100′	25′	Black (BK)	1.15
3/4″	H2F0.79BK	20mm	10mm	100′	25′	Black (BK)	1.61
1 3/16″	H2F1.18BK	30mm	15mm	100′	25′	Black (BK)	2.13
1 1/2″	H2F1.58BK	40mm	20mm	100′	25′	Black (BK)	2.66
2″	H2F1.97BK	50mm	25mm	100′	25′	Black (BK)	3.44
2 3/8″	H2F2.36BK	60mm	30mm	100′	25′	Black (BK)	4.11
2 3/4″	H2F2.75BK	70mm	35mm	100′	25′	Black (BK)	4.69





2:1 Diesel Resistant Heatshrink Tubing

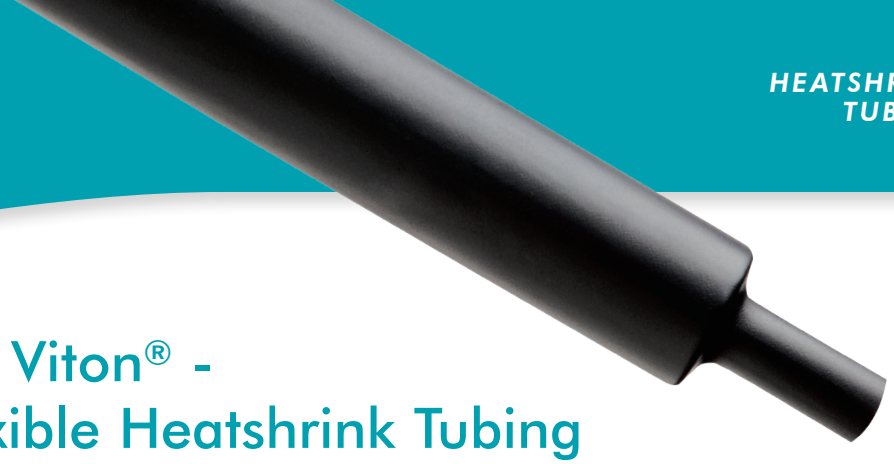
Diesel resistant heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose, or cable management project. Once shrunk, the tubing will hold its reduced state even in elevated temperatures. H2D is resistant to aviation and diesel fuels, hydraulic fluids, and lubrication oils. It will protect wires, solder joints, terminals, connections, and components from most industrial fuels and abrasion.

- ***Shrink Temp. 302°F***
- ***Heavy Wall, Flexible Elastomer Polyolefin Tubing***
- ***High Resistance to Aviation Fuels, Diesel Fuels, and Oils***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/8″	H2D0.13BK	3.2mm	1.6mm	500′	25′	Black (BK)	0.70
3/16″	H2D0.19BK	4.8mm	2.4mm	250′	25′	Black (BK)	1.00
1/4″	H2D0.25BK	6.4mm	3.2mm	250′	25′	Black (BK)	1.20
3/8″	H2D0.38BK	9.6mm	4.8mm	200′	25′	Black (BK)	1.75
1/2″	H2D0.50BK	12.8mm	6.4mm	100′	25′	Black (BK)	2.75
3/4″	H2D0.75BK	19.3mm	9.5mm	100′	25′	Black (BK)	4.75
1″	H2D1.00BK	25.4mm	12.7mm	100′	25′	Black (BK)	8.80
1 1/4″	H2D1.25BK	31.8mm	15.9mm	100′	25′	Black (BK)	12.60
1 1/2″	H2D1.50BK	38.2mm	19.1mm	100′	25′	Black (BK)	12.20

Contact your account representative for heatshrink cutting & printing services.

1 (833) SLEEVING
www.techflex.com



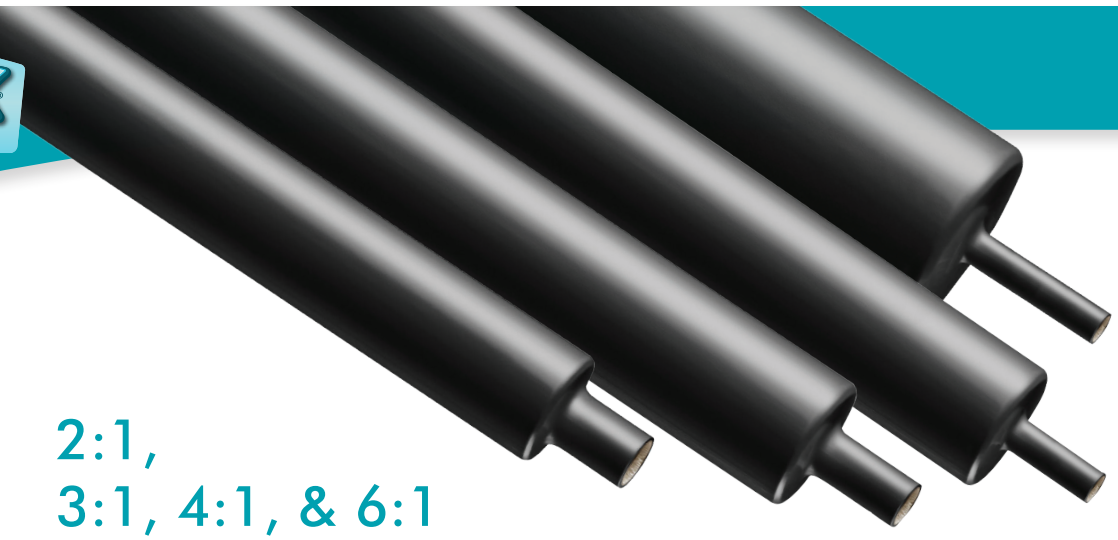
- *Shrink Temp. 347°F*
- *Mil-I-DTL-23053/13*
- *Flame Retardant*
- *Resistant to Highly Corrosive Acids, Fluids, Fuels, & Solvents*
- *High Operating Temp. 392°F for Extreme Working Conditions*

2:1 Viton® - Flexible Heatshrink Tubing

Viton® is a rubber-like, highly fluid-resistant, flame retardant flouro-elastomer heat-shrinkable tubing with high solvent resistance. The product is recommended for bundling, harnessing, and environmental protection within engine compartments.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/8″	H2V0.13BK	3.2mm	1.6mm	200′	100′	Black (BK)	1.26
3/16″	H2V0.19BK	4.8mm	2.4mm	200′	100′	Black (BK)	1.45
1/4″	H2V0.25BK	6.4mm	3.2mm	200′	100′	Black (BK)	1.68
3/8″	H2V0.38BK	9.5mm	4.7mm	200′	100′	Black (BK)	2.27
1/2″	H2V0.50BK	12.7mm	6.4mm	100′	50′	Black (BK)	2.29
5/8″	H2V0.63BK	16.0mm	8.0mm	100′	50′	Black (BK)	2.50
3/4″	H2V0.75BK	19.1mm	9.5mm	100′	50′	Black (BK)	4.14
7/8″	H2V0.88BK	22.4mm	11.0mm	50′	25′	Black (BK)	4.83
1″	H2V1.00BK	25.4mm	12.7mm	50′	25′	Black (BK)	5.73
1 1/4″	H2V1.25BK	31.7mm	15.7mm	50′	25′	Black (BK)	8.20
1 1/2″	H2V1.50BK	38.1mm	19.1mm	50′	25′	Black (BK)	8.80
2″	H2V2.00BK	50.8mm	25.4mm	50′	25′	Black (BK)	13.40

Viton® is a registered trademark of DuPont Performance Elastomers.



- *Shrink Temp. 194°F*
- *Flame Retardant*
- *Resists Common Automotive Chemicals*
- *Easily Installs Over Connectors & Splices*
- *Excellent Electrical Properties*
- *Protects from Fluids, Moisture, & Corrosion*

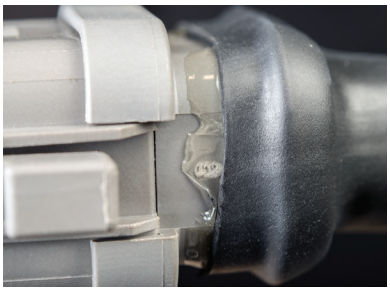
2:1, 3:1, 4:1, & 6:1 Dual Wall Adhesive Heatshrink Tubing

Dual wall adhesive-lined polyolefin heatshrink tubing is ideal for producing strong, weather tight seals on any heatshrink installation. During the application of heat from a heat gun or other heat source, the inner adhesive wall melts and flows, creating an adhesion layer to ensure a snug fit to your harness or connector. Adhesive lined heatshrink comes in 2:1, 3:1, 4:1, and 6:1 shrink ratio, and it is available in 4′ sticks.

Dual Wall Adhesive Heatshrink Tubing

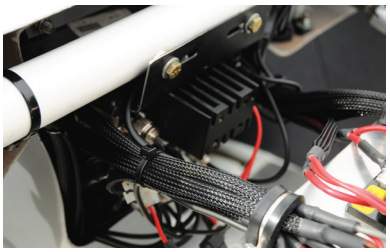
Shrinks to 1/2 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
1/8"	H2A0.13	3.2mm	1.6mm	250	25	CL,BK	0.17
1/4"	H2A0.25	6.4mm	3.2mm	250	25	CL,BK	0.32
3/8"	H2A0.38	9.6mm	4.8mm	250	25	WH,RD,BK	0.55
1/2"	H2A0.50	12.7mm	6.4mm	200	25	CL,WH,RD,BK	0.73
3/4"	H2A0.75	19.1mm	9.6mm	80	25	WH,RD,BK	1.15
1"	H2A1.00	25.4mm	12.7mm	50	25	WH,RD,BK	1.53
1 1/2"	H2A1.50	38.1mm	19.1mm	15	5	BK	2.50



Shrinks to 1/3 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
1/8"	H3A0.13	3.0mm	1.0mm	250	25	CL,WH,RD,BK	0.26
3/16"	H3A0.19	4.8mm	1.5mm	250	25	CL,WH,RD,BK	0.31
1/4"	H3A0.25	6.0mm	2.0mm	250	25	CL,WH,RD,BK	0.35
3/8"	H3A0.38	9.0mm	3.0mm	250	25	CL,WH,RD,BK	0.55
1/2"	H3A0.50	12.0mm	4.0mm	200	25	CL,WH,RD,BK	0.75
3/4"	H3A0.75	19.0mm	6.0mm	80	25	CL,WH,RD,BK	1.65
1"	H3A1.00	24.0mm	8.0mm	50	25	CL,WH,RD,BK	2.15
1 1/2"	H3A1.50	38.0mm	13.0mm	25	5	CL,WH,RD,BK	4.40
2"	H3A2.00	50.0mm	17.0mm	15	5	CL,WH,RD,BK	5.25



Seals and protects a wide variety of electrical applications, including wire splices, breakouts, and connectors-to-cable transitions.

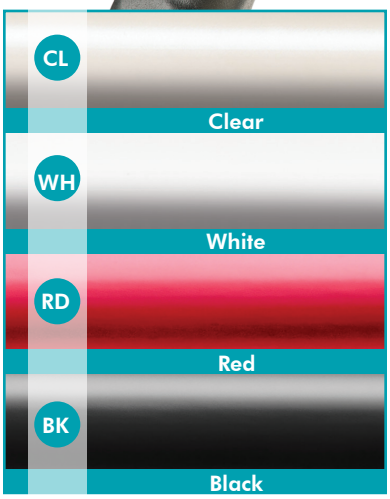
Shrinks to 1/4 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
3/16"	H4A0.19	4.0mm	1.0mm	250	25	CL,BK	0.30
5/16"	H4A0.31	8.0mm	2.0mm	250	25	CL,BK	0.44
1/2"	H4A0.50	12.0mm	3.0mm	200	25	CL,BK	0.90
3/4"	H4A0.75	16.0mm	4.0mm	80	25	CL,BK	1.50
1"	H4A1.00	24.0mm	6.0mm	50	25	CL,BK	2.60
1 1/4"	H4A1.25	32.0mm	8.0mm	25	5	CL,BK	3.50
2"	H4A2.00	52.0mm	13.0mm	15	5	CL,BK	8.00

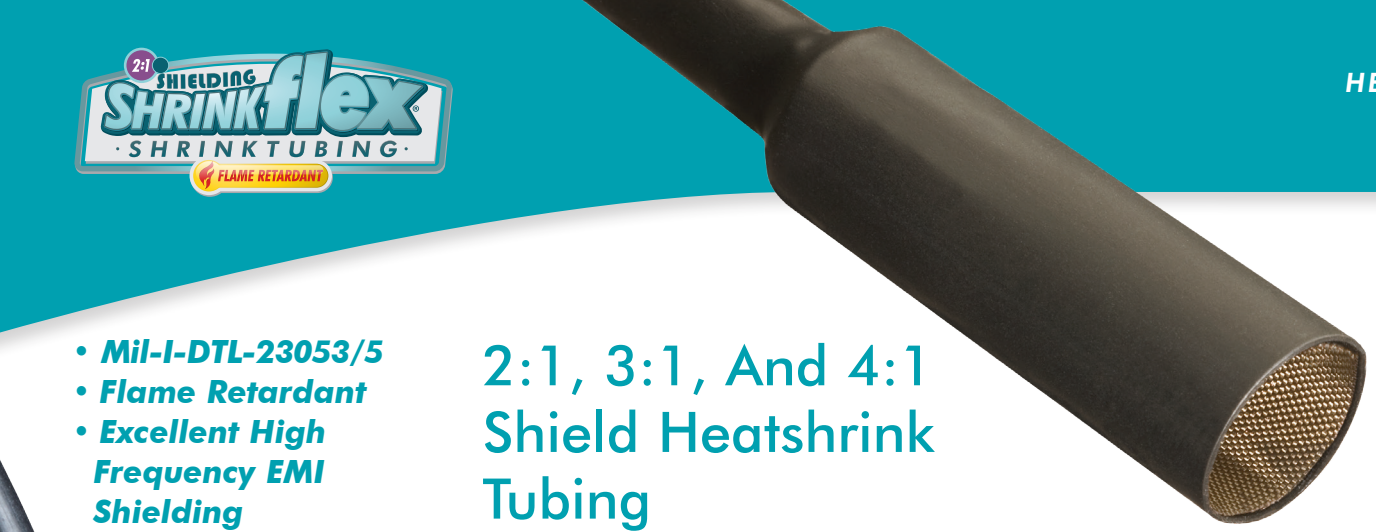


Shrinks to 1/6 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
3/4"	H6A0.75BK	19.0mm	3.2mm	80	25	BK	2.74
1 3/8"	H6A1.38BK	33.0mm	5.5mm	50	25	BK	4.10
1 3/4"	H6A1.75BK	44.4mm	7.4mm	50	25	BK	4.32
2"	H6A2.00BK	50.8mm	8.3mm	15	5	BK	6.59
2 3/4"	H6A2.75BK	69.8mm	11.7mm	15	5	BK	7.50
3 1/2"	H6A3.50BK	88.9mm	17.1mm	10	5	BK	11.50
4 3/4"	H6A4.75BK	119.4mm	22.9mm	10	5	BK	14.50



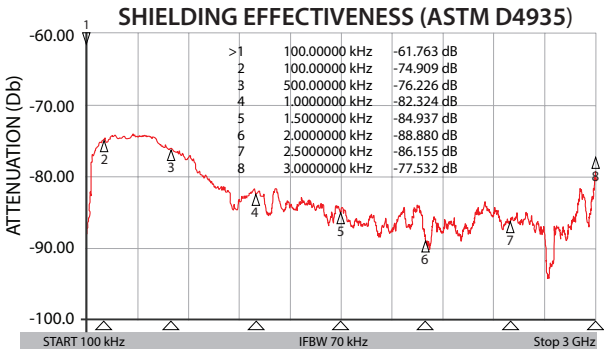
Contact your account representative for heatshrink cutting & printing services.



- *Mil-I-DTL-23053/5*
- *Flame Retardant*
- *Excellent High Frequency EMI Shielding*
- *RoHS*
- *Easily Installs Over Connectors & Splices*

2:1, 3:1, And 4:1 Shield Heatshrink Tubing

Shielding heatshrink tubing is a unique combination of polyolefin and conductive cloth, with high frequency EMI shielding properties. This product, a flame retardant and fluid resistant tubing, is a perfect solution for protecting your wire & cable bundles. Shield Heatshrink comes in 2:1, 3:1, and 4:1 shrink ratio, and it is available in 4' sticks.



Shrinks to 1/2 its original diameter

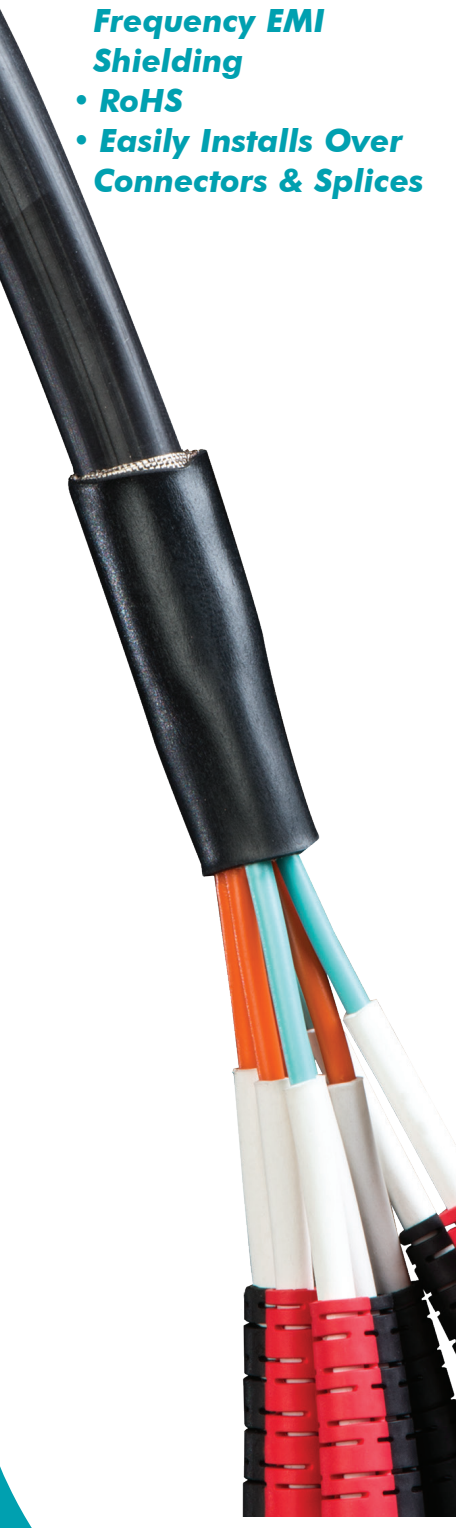
Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
3/16"	H2C0.19BK	4.8mm	2.4mm	12	2	Black (BK)	0.28
1/4"	H2C0.25BK	6.4mm	3.2mm	12	2	Black (BK)	0.47
3/8"	H2C0.38BK	9.5mm	4.8mm	12	2	Black (BK)	0.61
1/2"	H2C0.50BK	12.7mm	6.4mm	12	2	Black (BK)	0.72
3/4"	H2C0.75BK	19.1mm	9.5mm	12	2	Black (BK)	1.18
1"	H2C1.00BK	25.4mm	12.7mm	12	2	Black (BK)	1.70
1 1/2"	H2C1.50BK	38.1mm	19.1mm	12	2	Black (BK)	2.55

Shrinks to 1/3 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
3/8"	H3C0.38BK	8.0mm	3.0mm	12	2	Black (BK)	0.49
1/2"	H3C0.50BK	12.0mm	4.0mm	12	2	Black (BK)	0.62
3/4"	H3C0.75BK	18.0mm	6.0mm	12	2	Black (BK)	0.90
1"	H3C1.00BK	24.0mm	8.0mm	12	2	Black (BK)	1.35
1 1/2"	H3C1.50BK	40.0mm	13.0mm	12	2	Black (BK)	2.12
2"	H3C2.00BK	50.0mm	17.0mm	12	2	Black (BK)	2.94

Shrinks to 1/4 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4'Pcs.	Shop Box Put Up/4'Pcs.	Available Colors	Lbs/ 10Pcs.
3/4"	H4C0.75BK	19.1mm	4.6mm	12	2	Black (BK)	1.25
1"	H4C1.00BK	25.4mm	6.6mm	12	2	Black (BK)	1.51
1 1/2"	H4C1.50BK	38.1mm	9.5mm	12	2	Black (BK)	2.02
2"	H4C2.00BK	50.8mm	12.7mm	12	2	Black (BK)	3.71



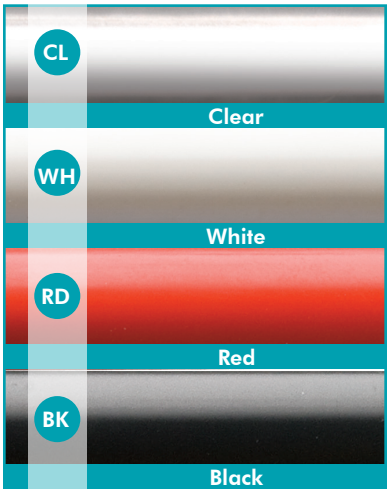


2:1 Glossy Polyolefin Heatshrink Tubing

2:1 Glossy Polyolefin heatshrink tubing is the ideal way to create a tight, professional finish on any wire, hose, or cable management project. Once shrunk, the tubing will hold its reduced state even in elevated temperatures. The wide range of diameters and the attractive glossy finish makes this heatshrink a perfect solution for any termination application.

- ***Shrink Temp. 239°F***
- ***Excellent UV Resistance***
- ***Good Electrical Properties & Chemical Resistance***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Lbs/ 100′
				Bulk Spool	Shop Spool		
1/8″	H2G0.13	3.2mm	1.6mm	500′	25′	CL,WH,RD,BK	0.43
3/16″	H2G0.19	4.8mm	2.4mm	200′	25′	CL,WH,RD,BK	0.60
1/4″	H2G0.25	6.4mm	3.2mm	200′	25′	CL,WH,RD,BK	1.04
3/8″	H2G0.38	9.5mm	4.7mm	200′	25′	CL,WH,RD,BK	1.31
1/2″	H2G0.50	12.7mm	6.4mm	200′	25′	CL,WH,RD,BK	1.52
3/4″	H2G0.75	19.1mm	9.5mm	100′	25′	CL,WH,RD,BK	2.58
1″	H2G1.00	25.4mm	12.7mm	100′	25′	CL,WH,RD,BK	3.74
1 1/2″	H2G1.50	38.1mm	19.1mm	100′	25′	CL,WH,RD,BK	5.53
2″	H2G2.00	50.8mm	25.4mm	100′	25′	CL,WH,RD,BK	8.25



Contact your account representative for heatshrink cutting & printing services.

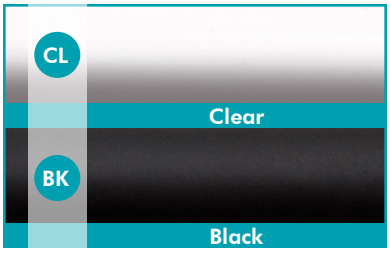


2:1 Kynar® - Semi-Rigid Heatshrink Tubing

Kynar® is a highly flame-retardant tubing that is tough and abrasion resistant in mechanical environments. The product is recommended for applications for strain relieving components such as soldered connections and splices.

- ***Shrink Temp. 347°F***
- ***Mil-I-DTL-23053/8***
- ***Flame Retardant***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/4′Pcs.	Shop Box Put Up/4′Pcs.	Available Colors	Lbs/ 10Pcs.
3/64″	H2K0.05	1.2mm	0.6mm	200	25	CL & BK	0.03
1/16″	H2K0.06	1.6mm	0.8mm	200	25	CL & BK	0.05
3/32″	H2K0.09	2.4mm	1.2mm	200	25	CL & BK	0.06
1/8″	H2K0.13	3.2mm	1.6mm	200	25	CL & BK	0.07
3/16″	H2K0.19	4.8mm	2.4mm	200	25	CL & BK	0.10
1/4″	H2K0.25	6.4mm	3.2mm	200	25	CL & BK	0.15
3/8″	H2K0.38	9.5mm	4.7mm	200	25	CL & BK	0.25
1/2″	H2K0.50	12.7mm	6.4mm	100	25	CL & BK	0.30
3/4″	H2K0.75	19.1mm	9.5mm	50	25	CL & BK	0.50
1″	H2K1.00	25.6mm	12.7mm	50	25	CL & BK	0.80



Kynar® is a registered trademark of the Arkema Corporation.

VW-1

SPECIALIZATIONS SHRINKflex · SHRINK BOOTS ·



- *Temp. -67 to 230°F*
- *Maximum Volt:1000V*
- *UV-Resistant*
- *Ribbed Liner on Inside Provides Better Grip and Airtight Sealing*



3:1 Heatshrink Boots Provide Cable Termination From Water, Moisture, Air, And Dirt

Specially designed for quick sealing and maximum strain relief, Shrinkflex® Boots provide complete insulation and protection when transitioning from single to multiple cables. An innovative, heat-activated interior adhesive coating forms a watertight seal and helps these boots conform snugly to conduits and cable jackets. Suitable for indoor and outdoor usage.

Nominal Size	Part #	# Of Cores	Length	Bulk Box Put Up/Pcs.	Shop Box Put Up/Pcs.	Available Colors	Lbs/ 10Pcs.
1″	HB21.00BK	2	2.2″	10	2	Black (BK)	0.13
1 1/5″	HB21.20BK	2	3.7″	10	2	Black (BK)	0.16
1 1/2″	HB21.50BK	2	5″	10	2	Black (BK)	0.20
2 1/2″	HB22.50BK	2	4.6″	10	2	Black (BK)	0.65
1 1/2″	HB31.50BK	3	4.3″	10	2	Black (BK)	0.82
2 1/2″	HB32.50BK	3	6.5″	10	2	Black (BK)	1.27
1 1/2″	HB41.50BK	4	4.1″	10	2	Black (BK)	0.41
2″	HB42.00BK	4	6″	10	2	Black (BK)	1.03
3″	HB43.00BK	4	7″	10	2	Black (BK)	1.92

SPECIALIZATIONS SHRINKflex · END CAPS ·

2:1- 3:1 Heatshrink End Caps

Protect the whole cable with Shrinkflex® End Caps! Shrinkflex® End Caps insulate and seal off wire and splice terminations, adding critical protection against abrasion, moisture, fraying, chemicals, and corrosion. Designed to be used in tandem with Shrinkflex® heatshrink, these caps are adhesive lined in order to bond with the heatshrink they overlap. Well-suited for automotive, networking, and electrical applications.

- *Temp. -67 to 230°F*
- *Shrink Temp. 248°F*
- *Typically Used in Conjunction with Heatshrink Tubing*



Nominal Size	Part #	Shrink Ratio	Length	Bulk Box Put Up/Pcs.	Available Colors	Lbs/ 10Pcs.
3/8″	HAC0.38BK	2:1	1.30″	10	Black (BK)	0.05
1/2″	HAC0.50BK	3:1	1.80″	10	Black (BK)	0.06
3/4″	HAC0.75BK	3:1	2.55″	10	Black (BK)	0.12
1″	HAC1.00BK	3:1	2.80″	10	Black (BK)	0.18
1 1/2″	HAC1.50BK	3:1	3.40″	10	Black (BK)	0.43
2″	HAC2.00BK	2:1	4.30″	10	Black (BK)	0.91
3″	HAC3.00BK	2:1	5.10″	10	Black (BK)	1.60
4″	HAC4.00BK	2:1	6.10″	10	Black (BK)	3.04
5″	HAC5.00BK	2:1	6.10″	10	Black (BK)	4.30

2:1 PTFE Heatshrink Tubing

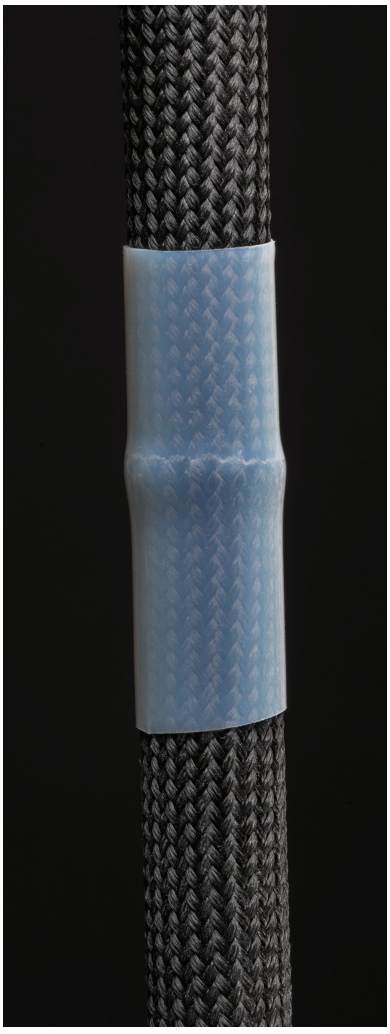
2:1 Polytetrafluoroethylene heatshrink tubing has the lowest coefficient of friction of any polymer and possesses a broad temperature range, allowing it to excel equally in extreme cold and hot environments.



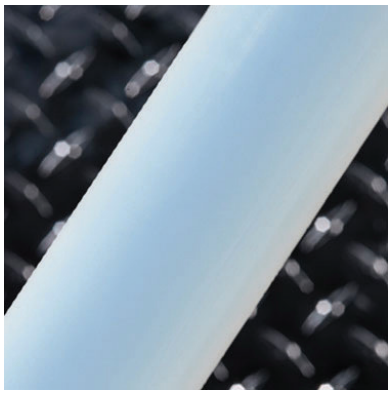
- ***Shrink Temperature 650°F (343°C)***
- ***Mil-I-DTL-23053/12***
- ***Excellent Dielectric Strength***
- ***Resistant to All Common Solvents, Acids, and Bases***
- ***High Operating Temp. up to to 500°F (260°C)***

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Wall Thickness	Put Up/4'Pcs.	Available Colors
24 AWG	M23053-12-201-C	1.27mm	0.69mm	0.30mm	1	Clear (CL)
22 AWG	M23053-12-202-C	1.40mm	0.81mm	0.30mm	1	Clear (CL)
20 AWG	M23053-12-203-C	1.52mm	0.99mm	0.41mm	1	Clear (CL)
19 AWG	M23053-12-204-C	1.65mm	1.09mm	0.41mm	1	Clear (CL)
18 AWG	M23053-12-205-C	1.93mm	1.24mm	0.41mm	1	Clear (CL)
17 AWG	M23053-12-206-C	2.16mm	1.37mm	0.41mm	1	Clear (CL)
15 AWG	M23053-12-207-C	2.79mm	1.70mm	0.41mm	1	Clear (CL)
14 AWG	M23053-12-208-C	3.05mm	1.83mm	0.41mm	1	Clear (CL)
13 AWG	M23053-12-210-C	3.56mm	2.03mm	0.41mm	1	Clear (CL)
12 AWG	M23053-12-211-C	3.81mm	2.26mm	0.41mm	1	Clear (CL)
11 AWG	M23053-12-212-C	4.32mm	2.57mm	0.41mm	1	Clear (CL)
10 AWG	M23053-12-213-C	4.85mm	2.84mm	0.41mm	1	Clear (CL)
9 AWG	M23053-12-214-C	5.21mm	3.15mm	0.51mm	1	Clear (CL)
1/8"	M23053-12-215-C	5.46mm	3.30mm	0.51mm	1	Clear (CL)
8 AWG	M23053-12-216-C	6.10mm	3.58mm	0.51mm	1	Clear (CL)
7 AWG	M23053-12-217-C	6.86mm	4.01mm	0.51mm	1	Clear (CL)
6 AWG	M23053-12-218-C	7.67mm	4.52mm	0.51mm	1	Clear (CL)
5 AWG	M23053-12-219-C	8.13mm	5.03mm	0.51mm	1	Clear (CL)
4 AWG	M23053-12-220-C	9.40mm	5.69mm	0.51mm	1	Clear (CL)
3 AWG	M23053-12-221-C	9.91mm	6.32mm	0.51mm	1	Clear (CL)
1/4"	M23053-12-222-C	10.41mm	6.60mm	0.51mm	1	Clear (CL)
2 AWG	M23053-12-223-C	10.92mm	7.06mm	0.51mm	1	Clear (CL)
1 AWG	M23053-12-224-C	11.43mm	7.90mm	0.51mm	1	Clear (CL)
5/16"	M23053-12-225-C	11.94mm	8.36mm	0.51mm	1	Clear (CL)
0 AWG	M23053-12-226-C	11.94mm	8.81mm	0.51mm	1	Clear (CL)
3/8"	M23053-12-228-C	14.22mm	10.13mm	0.64mm	1	Clear (CL)
7/16"	M23053-12-229-C	16.64mm	11.73mm	0.64mm	1	Clear (CL)
1/2"	M23053-12-230-C	19.05mm	13.31mm	0.64mm	1	Clear (CL)
5/8"	M23053-12-231-C	23.62mm	16.64mm	0.76mm	1	Clear (CL)
3/4"	M23053-12-232-C	28.58mm	19.96mm	0.89mm	1	Clear (CL)
7/8"	M23053-12-233-C	33.27mm	23.14mm	0.89mm	1	Clear (CL)
1"	M23053-12-234-C	38.10mm	26.31mm	0.89mm	1	Clear (CL)

When ordering our 2:1 PTFE heatshrink, order as size after shrinking.



- ***Shrink Temperature 650°F (343°C)***
- ***Mil-I-DTL-23053/12***
- ***Excellent Dielectric Strength***
- ***Resistant to All Common Solvents, Acids, and Bases***
- ***High Operating Temp. up to to 500°F (260°C)***

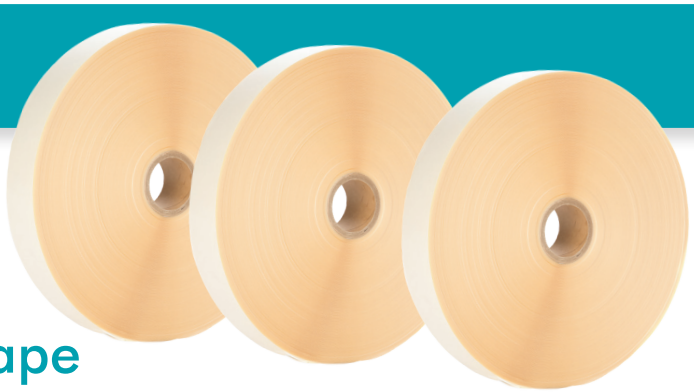


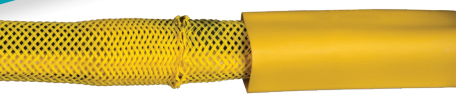
4:1 PTFE Heatshrink Tubing

4:1 Polytetrafluoroethylene heatshrink tubing has the lowest coefficient of friction of any polymer and possesses a broad temperature range, allowing it to excel equally in extreme cold and hot environments. PTFE's excellent dielectric strength makes it highly suited for the encapsulation of wires and electrical components. Also it has has excellent lubricity and chemical resistance.

When ordering our 4:1 PTFE heatshrink, order as size after shrinking.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Wall Thickness	Put Up/4'Pcs.	Available Colors
5/64"	M23053-12-502-C	1.98mm	0.64mm	0.23mm	1	Clear (CL)
1/8"	M23053-12-503-C	3.18mm	0.94mm	0.31mm	1	Clear (CL)
3/16"	M23053-12-504-C	4.75mm	1.27mm	0.31mm	1	Clear (CL)
1/4"	M23053-12-505-C	6.35mm	1.60mm	0.31mm	1	Clear (CL)
5/16"	M23053-12-506-C	7.93mm	1.98mm	0.31mm	1	Clear (CL)
3/8"	M23053-12-507-C	9.53mm	2.44mm	0.31mm	1	Clear (CL)
7/16"	M23053-12-508-C	11.13mm	2.85mm	0.31mm	1	Clear (CL)
1/2"	M23053-12-509-C	12.70mm	3.66mm	0.38mm	1	Clear (CL)
5/8"	M23053-12-510-C	15.88mm	4.52mm	0.38mm	1	Clear (CL)
3/4"	M23053-12-512-C	19.05mm	5.69mm	0.38mm	1	Clear (CL)
7/8"	M23053-12-513-C	22.23mm	6.20mm	0.38mm	1	Clear (CL)
1"	M23053-12-514-C	25.40mm	7.06mm	0.38mm	1	Clear (CL)
1 1/2"	M23053-12-516-C	38.10mm	10.16mm	0.38mm	1	Clear (CL)
2 1/2"	M23053-12-520-C	63.50mm	16.51mm	0.51mm	1	Clear (CL)
3"	M23053-12-522-C	76.20mm	19.69mm	0.51mm	1	Clear (CL)





Splice sleeving



Adhesive lining



Added waterproofing

Hot Fusion Tape

Techflex® hot-melt adhesive tape works great in conjunction with our sleeving and heatshrink products. HFA has good adhesion to polyolefin, PET, PVC, copper, and nylon. Hot Fusion Tape is very flexible and can be field cut to fit your application. Use when extra adhesive may be needed, in areas between wire bundles for weatherproofing, or under heatshrink products not available with pre-coated dual wall adhesive. Tape activates easily when shrinking your tubing.

Nominal Size	Part #	Width	Thickness	Standard Spool Put-Ups		Available Colors	Lbs/ 100'
				Bulk Spool	Shop Spool		
2"	HFA2.00CL	1.97"	0.012"	100'	25'	Clear (CL)	1.16



Heatshrink Kits

At Techflex®, we anticipate customers' needs to determine which product is best for your project. Nothing can be more frustrating than having the wrong size shrink tubing in the middle of a job. To help solve this, we created a new series of multi-size Shrinkflex kits. Our 2-1 and 3-1 kits have 6 sizes to work with and give you a perfect selection. These kits are also available in a variety of colors or even a mixed color kit making a really great addition to your shop. Don't be stuck with the wrong shrink tubing, Techflex® has you covered.





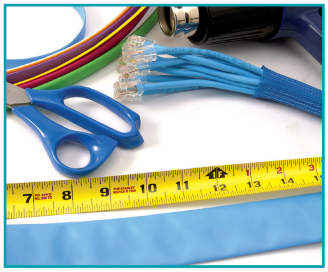




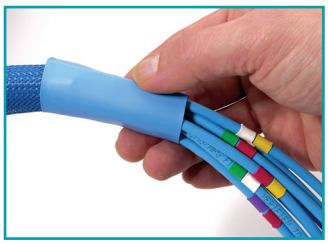
Metal Rack for Kits - SSR0.00GY

2:1 Polyolefin							
Part #	1/8"	1/4"	3/8"	1/2"	3/4"	1"	Colors
HSK2-BK-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Black
HSK2-RD-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Red
HSK2-YL-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Yellow
HSK2-WH-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	White
HSK2-BL-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Blue
HSK2-CL-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Clear
HSK2-GN-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Green
HSK2-BR-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Brown
HSK2-GY-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Gray
HSK2-OR-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Orange
HSK2-PP-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Purple
HSK2-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Mixed
3:1 Polyolefin							
Part #	1/8"	1/4"	3/8"	1/2"	3/4"	1"	Colors
HSK3-BK-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Black
HSK3-RD-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Red
HSK3-YL-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Yellow
HSK3-WH-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	White
HSK3-CL-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Clear
HSK3-K	30 pieces 6"	20 pieces 6"	20 pieces 6"	20 pieces 6"	10 pieces 6"	10 pieces 6"	Mixed
3:1 Dual Wall Adhesive - Small Sizes							
Part #	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	Colors
HSA3-KS	12 pieces 6" RD	12 pieces 6" BK	9 pieces 6" RD	9 pieces 6" BK	6 pieces 6" RD	10 pieces 6" BK	BK & RD
3:1 Dual Wall Adhesive - Large Sizes							
Part #	1/2"	1/2"	3/4"	3/4"	1"	1"	Colors
HSA3-KL	12 pieces 6" RD	12 pieces 6" BK	6 pieces 6" RD	6 pieces 6" BK	3 pieces 6" RD	3 pieces 6" BK	BK & RD

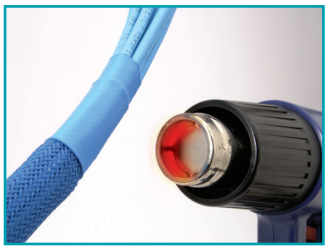
How to work with heatshrink tubing



Measure the heatshrink tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1 1/2" - 2" long will accommodate almost any need (such as this bundle of network cables). Single wires, or smaller bundles, require shorter pieces.



Slip the tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.



Gently apply heat from a heat gun, hair dryer, or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame don't come in contact with the tubing, wires, or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.

STEINEL

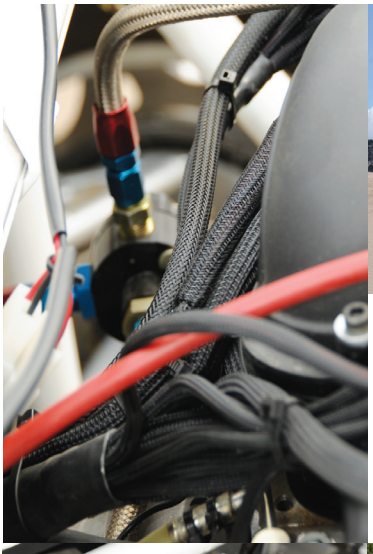


Steinel High Quality Heat Guns & Accessories

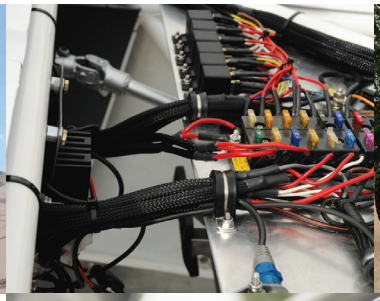
Production quality heat guns from one of the finest names in tools. These high quality guns will provide years of dependable service under the most intensive conditions. High strength, impact resistant cases with heavy duty motors and heating elements.

Heat Blower Kit - SHB-1750KIT
Industrial Heat Gun - SHG-2300EM
Programmable Intellitemp Heat Gun - SHG-2310LCD

Techflex® helps your projects fly with Shrinkflex and Flexo® Sleeving!



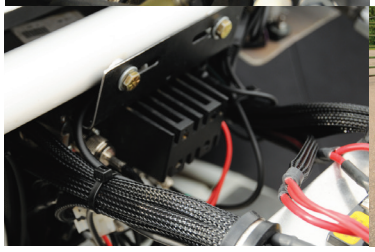






For more info go to techflex.com/projects







TECHLACE™

- ***Used Extensively Throughout the Aerospace, Electronics, Medical & Many Smaller Specialized Manufacturing Industries***
- ***Increased Knot Retention***
- ***Ideal for Applications Requiring Reductions in Size and Weight***
- ***Good Vibration Performance with Long Term Integrity and Reliability***

Long Life Method Of Wire Dressing

Lasts longer than cable ties! Cable ties turn brittle and degrade over time due to environmental exposure and loss of plasticizers. A roll of lacing tape can manage any size cable bundle, from a couple of 22AWG wires to a fistful of heavy power cables.

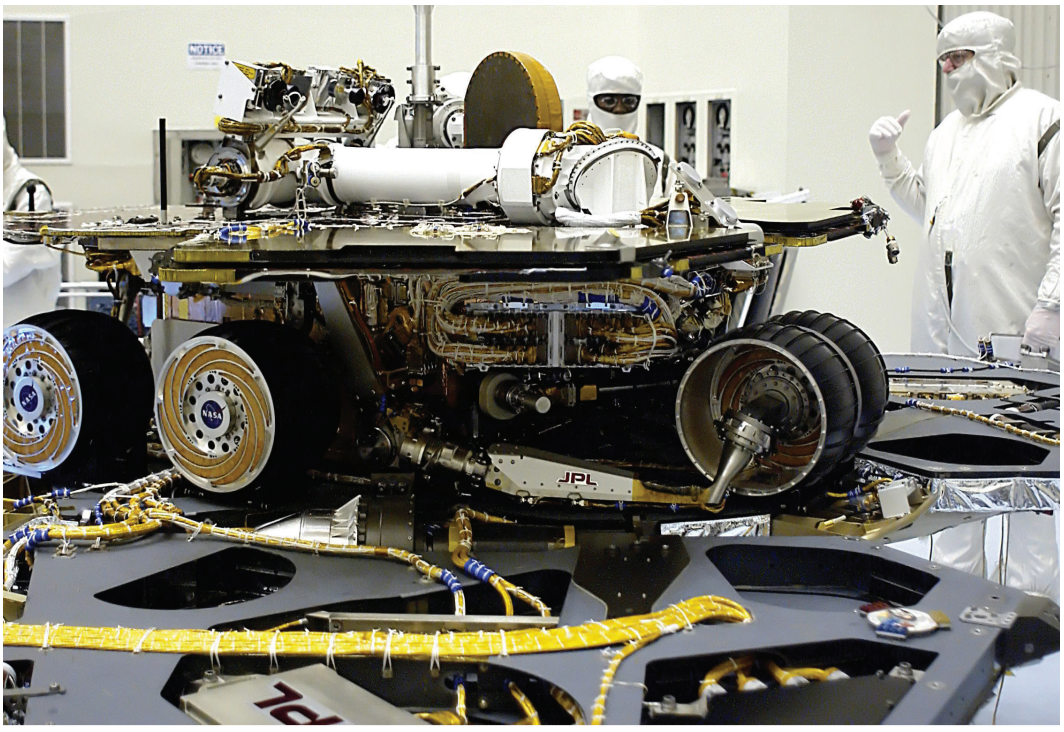
Cable ties leave a sharp edge where the tail was cut off that can snag or get hung up. Some applications such as aerospace and aviation may specify laced harnesses as a design requirement. Lacing tape is ideal for lashing wires or cables to ladder bars, conduit and other wire management solutions.

Unlike cable ties, the insulation on wires bundled with lacing tape has less chance of cold flowing and shorting. No sharp edges to cut installer's hands when reaching into a tightly packed wiring cavity. Lacing tape is available in a wide range of materials, sizes, and finishes to accommodate any engineering requirement.



TechLace® lacing tape is packaged in a convenient re-sealable bag to protect against dust and other contaminants. A ¼" vent hole enables the material to be quickly and neatly dispensed without hassle.

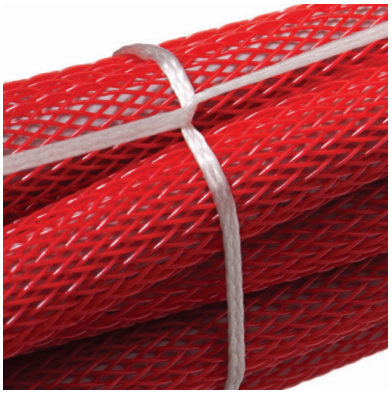




Polyamide (Nylon) Lacing Tape

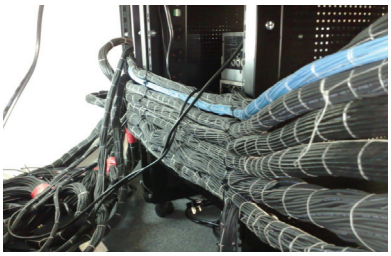
Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Lbs/ Spool
			Min	Max	Min	Max			
LT1-S1-FA-**	1	A	.180″	.220″	.013″	.019″	NT & BK	750′	0.80
LT1-S2-FA-**	2	A	.099″	.121″	.012″	.018″	NT & BK	750′	0.45
LT1-S3-FA-**	3	A	.077″	.094″	.011″	.017″	NT & BK	1,500′	0.50
LT1-S4-FA-**	4	A	.054″	.066″	.009″	.015″	NT & BK	1,500′	0.40
LT1-S5-FA-**	5	A	.045″	.055″	.006″	.014″	NT & BK	1,500′	0.30
LT1-S1-FB-**	1	B	.180″	.220″	.013″	.019″	NT & BK	750′	0.95
LT1-S2-FB-**	2	B	.099″	.121″	.012″	.018″	NT & BK	750′	0.50
LT1-S3-FB-**	3	B	.077″	.094″	.011″	.017″	NT & BK	1,500′	0.55
LT1-S4-FB-**	4	B	.054″	.066″	.009″	.015″	NT & BK	1,500′	0.45
LT1-S5-FB-**	5	B	.045″	.055″	.006″	.014″	NT & BK	1,500′	0.30
LT1-S1-FC-**	1	C	.180″	.220″	.013″	.019″	NT & BK	750′	0.95
LT1-S2-FC-**	2	C	.099″	.121″	.012″	.018″	NT & BK	750′	0.50
LT1-S3-FC-**	3	C	.077″	.094″	.011″	.017″	NT & BK	1,500′	0.55
LT1-S4-FC-**	4	C	.054″	.066″	.009″	.015″	NT & BK	1,500′	0.45
LT1-S5-FC-**	5	C	.045″	.055″	.006″	.014″	NT & BK	1,500′	0.30

*** Replace the asterisks with color code NT for Natural or BK for Black.*



A-A-52080 TYPE I

• General purpose lacing tape • Available colors: Natural (NT) and Black (BK) Thermal endurance: -67°F to 250°F • Melting point: 478°F • Finishes: A-No Finish, B-Wax or C-Synthetic Rubber



Polyester (Dacron®) Lacing Tape

Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Lbs/ Spool
			Min	Max	Min	Max			
LT2-S1-FA-**	1	A	.180″	.220″	.013″	.019″	NT & BK	750′	0.80
LT2-S2-FA-**	2	A	.099″	.121″	.012″	.018″	NT & BK	750′	0.45
LT2-S3-FA-**	3	A	.077″	.094″	.011″	.017″	NT & BK	1,500′	0.50
LT2-S4-FA-**	4	A	.054″	.066″	.009″	.015″	NT & BK	1,500′	0.40
LT2-S5-FA-**	5	A	.045″	.055″	.006″	.014″	NT & BK	1,500′	0.30
LT2-S1-FB-**	1	B	.180″	.220″	.013″	.019″	NT,BK,RD	750′	1.00
LT2-S2-FB-**	2	B	.099″	.121″	.012″	.018″	NT,BK,RD	750′	0.55
LT2-S3-FB-**	3	B	.077″	.094″	.011″	.017″	NT,BK,RD	1,500′	0.60
LT2-S4-FB-**	4	B	.054″	.066″	.009″	.015″	NT,BK,RD	1,500′	0.45
LT2-S5-FB-**	5	B	.045″	.055″	.006″	.014″	NT,BK,RD	1,500′	0.30
LT2-S1-FC-**	1	C	.180″	.220″	.013″	.019″	NT,BK,RD	750′	1.00
LT2-S2-FC-**	2	C	.099″	.121″	.012″	.018″	NT,BK,RD	750′	0.55
LT2-S3-FC-**	3	C	.077″	.094″	.011″	.017″	NT,BK,RD	1,500′	0.60
LT2-S4-FC-**	4	C	.054″	.066″	.009″	.015″	NT,BK,RD	1,500′	0.45
LT2-S5-FC-**	5	C	.045″	.055″	.006″	.014″	NT,BK,RD	1,500′	0.30

*** Replace the asterisks with color code NT for Natural, BK for Black or RD for Red.*



A-A-52081 TYPE II

• Superior knot tying properties to nylon • Suitable for aerospace/NASA applications • High temperature performance • Available colors: Natural (NT), Black (BK), and Red (RD) • Thermal endurance: -99°F to 350°F • Melting point: 482°F • Finishes: A-No Finish, B-Wax or C-Synthetic Rubber

Dacron® is registered trademarks of DuPont Corporation.

PTFE-Fluorocarbon (Teflon®) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Lbs/ Spool
			Min	Max	Min	Max			
LT3-S2-FA-BR	2	A	.108″	.132″	.009″	.014″	BR	750′	0.70
LT3-S4-FA-BR	4	A	.059″	.072″	.009″	.014″	BR	1,500′	0.65

A-A-52082 TYPE III

• High heat resistance • Good resistance to fluids and solvents • Suitable for aircraft engine applications • Available colors: Brown (BR) • Thermal endurance: -99°F to 450°F • Melting point: 620°F • Finishes: A-No Finish

Fiberglass (Glass) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Lbs/ Spool
			Min	Max	Min	Max			
LT4-S1-FD-NT	1	D	.203″	.248″	.013″	.019″	NT	750′	1.40
LT4-S2-FD-NT	2	D	.099″	.121″	.013″	.019″	NT	750′	1.10
LT4-S3-FD-NT	3	D	.077″	.094″	.013″	.019″	NT	1,500′	1.70
LT4-S4-FD-NT	4	D	.054″	.066″	.013″	.019″	NT	1,500′	1.20

A-A-52083 TYPE IV

• Extremely high temperature performance • Very low elongation • Minimal fiber to fiber abrasion • Produced from continuous filament electrical grade glass (E-glass) • Available colors: Natural (NT) • Thermal endurance: -67°F to 800°F • Melting point: 2,102°F • Finishes: D-TFE-Fluorocarbon

Meta Aramid (Nomex®) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Lbs/ Spool
			Min	Max	Min	Max			
LT5-S1-FA-NT	1	A	.180″	.220″	.013″	.019″	NT	750′	0.75
LT5-S2-FA-NT	2	A	.099″	.121″	.011″	.017″	NT	750′	0.40
LT5-S3-FA-NT	3	A	.068″	.083″	.009″	.015″	NT	1,500′	0.45
LT5-S4-FA-NT	4	A	.050″	.061″	.007″	.013″	NT	1,500′	0.35
LT5-S1-FC-NT	1	C	.180″	.220″	.013″	.019″	NT	750′	0.85
LT5-S2-FC-NT	2	C	.099″	.121″	.011″	.017″	NT	750′	0.45
LT5-S3-FC-NT	3	C	.068″	.083″	.009″	.015″	NT	1,500′	0.50
LT5-S4-FC-NT	4	C	.050″	.061″	.007″	.013″	NT	1,500′	0.40

A-A-52084 TYPE V

• Extremely high temperature performance • Non-flammable • Highly resistant to fluids and lubricants • Suitable for critical aircraft harness applications
• Available colors: Natural (NT) • Thermal endurance: -67°F to 500°F • Melting point: 700°F • Finishes: A-No Finish or C-Synthetic Rubber



Teflon® & Nomex® are registered trademarks of DuPont Corporation.

Protective Plastic Netting



Part Guard (PG) is a high quality industrial polyethylene netting that is ideal for protection and separation of products in all process, handling, shipping, and storage applications. The open mesh design eliminates trapping of moisture and protects against rust or corrosion.

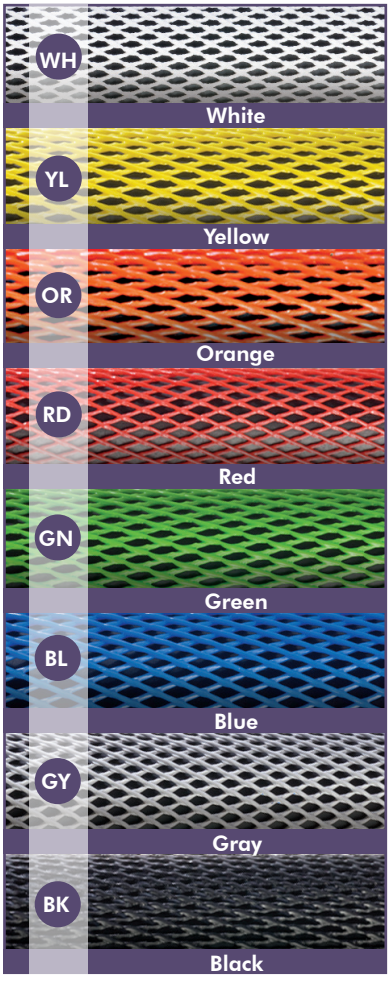
Part Guard can be easily cut down to precise lengths, and accommodate a variety of application diameters.

Part Guard is available in an expandable, medium duty type (PGE) or a thicker, non-expandable product (PGN). Each size is defined by a discrete color, allowing quick and easy visual identification of the diameter, and simplifying inventory management of various products.

- ***Lightweight***
- ***Non-Corrosive***
- ***Color Coded Sizes for Easy Identification***
- ***Allows Air Circulation***
- ***Economical Protection During Shipping or Storage***



Part Guard protects precision surfaces from damage.

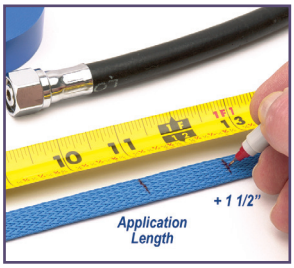


Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Up		Available Colors	Lbs/ 100′
			Min.	Max.	Bulk Spool	Shop Spool		
1/4″	PGE0.25YL	.06″	1/4″	1/2″	3,000′	25′	Yellow (YL)	0.6
1/2″	PGE0.50BL	.06″	1/2″	1″	2,750′	25′	Blue (BL)	0.8
1″	PGE1.00RD	.06″	1″	1 1/2″	1,700′	25′	Red (RD)	1.7
1 1/2″	PGE1.50BK	.06″	1 1/2″	2″	900′	25′	Black (BK)	4.6
2″	PGE2.00WH	.06″	2″	2 1/2″	800′	25′	White (WH)	5.0
1/2″	PGN0.50WH	.08″	1/2″	1 1/4″	500′	100′	White (WH)	1.5
3/4″	PGN0.75OR	.08″	3/4″	1 1/2″	285′	100′	Orange (OR)	3.0
1″	PGN1.00BK	.08″	1″	2″	235′	100′	Black (BK)	3.5
1 1/4″	PGN1.25GN	.08″	1 1/4″	2 1/2″	165′	100′	Green (GN)	5.0
1 1/2″	PGN1.50YL	.08″	1 1/2″	3″	165′	100′	Yellow (YL)	5.2
1 3/4″	PGN1.75GY	.08″	1 3/4″	3 1/2″	135′	100′	Gray (GY)	5.4
2″	PGN2.00BL	.08″	2″	4 1/4″	110′	100′	Blue (BL)	6.4

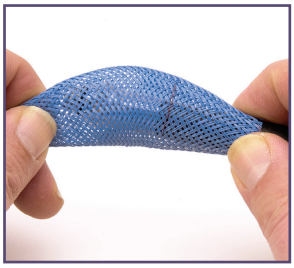
Contact your account representative for automation cutting (free service).

Working Effectively With Tape

Sure, you could just wrap some tape around the ends of your sleeving and call it a day. It won't look great, but it'll work just fine. However, with just a few more minutes work, you can achieve a clean, invisible termination solution with a unique visual effect. This is ideal when the other end of the installation will be hidden under a plug or inside a cabinet.



Measure the sleeving and mark the measurement with a pen or marker. Add an additional 1 1/2 - 2 inches and cut the extended length of sleeving.



Slip the additional length of sleeving over the end of your application so that the mark is at the spot on the installation where you want the sleeving to end. On this low pressure air hose, it's just below the connector.



Starting at the line, take a few tight turns of tape down the application so that it covers the sleeving and extends about 1 1/2" on the application. Make sure the tape is smooth and tight. Cut the end and press down for a smooth finish.

Push the sleeving down over itself and the tape and keep pushing until the other end of the sleeving falls into place at the far end of the application. If there are any sharp edges or loose wires on the ends, temporarily wrap them with tape to avoid snags.



This system creates a clean termination with a slight flare at the end. This installation process only works at one end of your application. To finish the other end, you'll have to use another termination procedure.



3M 2242 Self Bonding Tape

Linerless rubber splicing tape. Waterproof and flame retardant. Ideal for moisture sealing and insulating.



3M 2242 Tape - 3M20.75BK

3M Vinyl Electrical Tape

Standard, general purpose vinyl tape for use in applications not subject to extreme heat, cold, abrasion, or chemical/UV exposure. Ideal for interior applications in the home, office, or shop. 3/4" x 66'. Available in Blue (BL), Green (GN), Orange (OR), Red (RD), Yellow (YL), White (WH), Black (BK), Gray (GY), Purple (PP), and Brown (BR).

3M Vinyl Tape - MMN0.75



Other Tapes

ThermaShield Tape



TST1.00SV
TST1.50SV
TST2.00SV
TST3.00SV
TST4.00SV
TST6.00SV

For more info go to pg. 65

Hot Fusion Tape



HFA2.00CL

For more info go to pg. 105

Wrap & Seal Tape



High strength tape works on dirty or wet surfaces. Ideal for automotive and marine hoses. Self-sealing and waterproof.

Wrap & Seal Tape - WNS1.00BK

Military Spec Silicone Tape



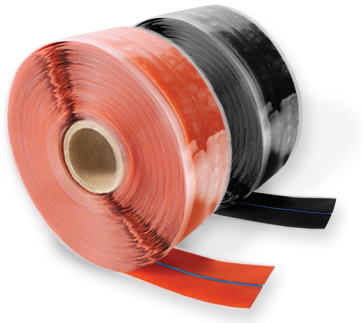
FireFlex® self-fusing silicone tape is a unique adhesive free product that quickly fuses to itself to create a moisture and corrosion resistant continuous seal for electrical insulation, pipe and hose repair, or anywhere a quick and residue free wrap is needed.

FireFlex® Silicone Tape creates an airtight/watertight seal around even irregularly shaped applications, and the high insulation values make it useful in repairing cracked or damaged insulation in Class A and B applications.

Resistant to engine fluids, solvents, high-heat, and molten metal splashes, FireFlex® tape can withstand the harshest of environments. A wide operating temperature of -85°F to 500°F makes it excellent for automotive, industrial, and marine applications, as well as a perfect end termination for our FireFlex® Silicone Sleeving.

Ideal to keep in a toolbox for emergency repairs on wires or hoses, as a residue free solution to coil extension cords, ropes, and cables, and for a waterproof, heat, and chemical resistant wrap for wiring harnesses and splices.

- ***A-A-59163***
- ***Mil-I-46852***
- ***Self-Fusing***
- ***Air & Moisture Tight Seal***
- ***Prevents Corrosion***
- ***No Adhesive, Bonds Only to Itself***
- ***Resists Weathering***
- ***Conforms to Irregular Shapes***
- ***Elastic Memory Seal***
- ***Cures in 24 Hours at Room Temperature***

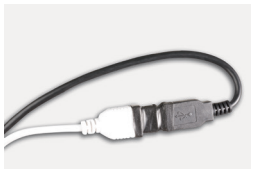


Colored guide line only on triangular type tapes.

AUDIO/VIDEO



COMPUTERS



AUTOMOTIVE



HOME



GARDEN



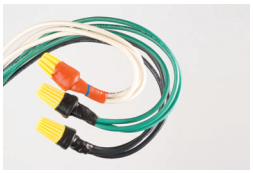
CONSTRUCTION



PLUMBING



ELECTRICAL



Width	Part #	Wall Thickness	Type	Class	Available Colors	Roll	Lbs/ Roll
1″	STA1.00BK36	0.020″	Triangular	A	BK	36′	0.29
1″	STA1.00RD36	0.020″	Triangular	A	RD	36′	0.33
1″	STB1.00BK36	0.040″	Triangular	B	BK	36′	0.57
1″	SRA1.00BK36	0.020″	Rectangle	A	BK	36′	0.45
1″	SRA1.00RD36	0.020″	Rectangle	A	RD	36′	0.50
1″	SRB1.00BK36	0.040″	Rectangle	B	BK	36′	0.75

INSULATION CLASS
May be used in many Class A & Class B applications.

CLASS*	20,000 HR LIFE TEMP.
A	221°F (105°C)
B	266°F (130°C)

**The temperature classification indicates the maximum (hot-spot) temp. at which the insulation system can be operated for normal expected service life.*



Triangular

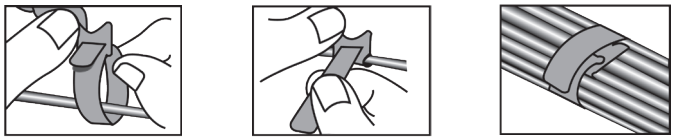


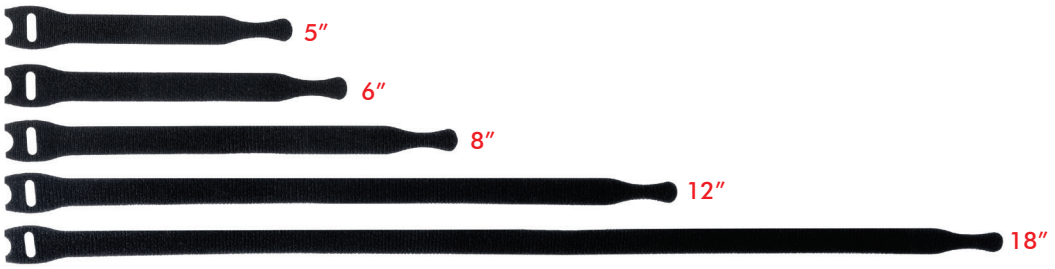
Rectangle

VELCRO® Brand One-Wrap Straps

VELCRO® Brand Straps are economical and easy to field install. They provide termination solutions that produce a neat appearance on any cable management application. Reusable and flexible One-Wrap brand straps are perfect for temporary management of cords, cables, and wires. Can be reused hundreds of times! Available in a wide range of colors and sizes (width=3/4″).

- Ideal for cord and cable control
- Great for network installations
- Can be cycled (opened and closed) hundreds of times
- Ideal for electrical & network color-coding







VELCRO® Brand One-Wrap® Straps

Length	Part #	Width	Available Colors	Standard Spool Put-Up		
				Bulk Spool	Shop Spool	Retail Spool
5″	VST5.00	3/4″	BK,GY,BE,PP,BL,GN,YL,OR,RD,WH	1440 Pcs.	250 Pcs.	100 Pcs.
6″	VST6.00	3/4″	BK,GY,BE,PP,BL,GN,YL,OR,RD,WH	1200 Pcs.	250 Pcs.	100 Pcs.
8″	VST8.00	3/4″	BK,GY,BE,PP,BL,GN,YL,OR,RD,WH	900 Pcs.	250 Pcs.	100 Pcs.
12″	VST12.0	3/4″	BK,GY,BE,PP,BL,GN,YL,OR,RD,WH	600 Pcs.	100 Pcs.	50 Pcs.
18″	VST18.0	3/4″	BK,GY,BE,PP,BL,GN,YL,OR,RD,WH	400 Pcs.	100 Pcs.	50 Pcs.



VELCRO® Brand Roll

Width	Part #	Rated Load	Available Colors	Yards/Roll
3/8″	VRW0.38	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
1/2″	VRW0.50	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
5/8″	VRW0.63	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
3/4″	VRW0.75	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
1″	VRW1.00	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
1 1/2″	VRW1.50	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR,OR	25
2″	VRW2.00	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR,OR	25
3″	VRW3.00	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25
4″	VRW4.00	18 lbs.	BK,GY,BE,PP,BL,GN,YL,RD,WH,BR	25

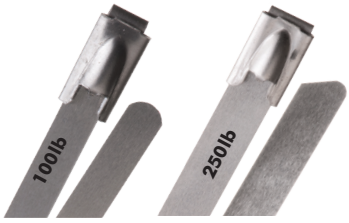


FR VELCRO® Brand One-Wrap® Straps

Flame Retardant VELCRO® brand straps are suitable for plenum applications and are UL flame rated (width=3/4″). Black (BK) and Cranberry (CR).

Length	Part #	Width	Available Colors	Standard Spool Put-Up		
				Bulk Spool	Shop Spool	Retail Spool
8″	VSF8.00	3/4″	Black BK & Cranberry CR	900 Pcs.	250 Pcs.	100 Pcs.
12″	VSF12.0	3/4″	Black BK & Cranberry CR	600 Pcs.	100 Pcs.	50 Pcs.
18″	VSF18.0	3/4″	Black BK & Cranberry CR	400 Pcs.	100 Pcs.	50 Pcs.

VELCRO® and One-Wrap® is a registered trademark of of Velcro Industries B. V.



Stainless Steel Cable Ties

High temperature stainless steel cable ties are great for harsh environments. Perfect for installing heavy duty and high temp sleeving.

5″ - 100lb SSS5.00SV 250lb SSH5.00SV
7½″ - 100lb SSS7.50SV 250lb SSH7.50SV
14½″ - 100lb SSS14.5SV 250lb SSH14.5SV
20″ - 100lb SSS20.0SV 250lb SSH20.0SV
27″ - 100lb SSS27.0SV 250lb SSH27.0SV



Stainless Steel Cable Tie Tool

Cable Tie Gun for steel ties cuts off excess strap when the selected tension setting is achieved. Produces consistent tension from tie to tie and saves installation time with one easy action.

Cable Tie Gun - SSTG



Chrome Ties

Finish your custom application with genuine chrome cable ties from Techflex®. Perfect for finishing wire or hose projects with Chrome or Metallic Mylar® sleeving. The highly polished finish matches any metallic installation and provides a strong and attractive finish that resists wear, abrasion, and damage.

3¾″ - CBC3.75SV
7½″ - CBC7.50SV

Mylar® is a registered trademark of DuPont Corporation.



Low Profile Cable Ties

These cable ties are safer, smoother, and stronger than traditional cable ties. You can apply them to their bundle with side cutters or any industry installation tool. Manufactured from dependable 6/6 nylon, these unique cable ties are available in 7″ and 14″ lengths in either Clear (CL) or UV stabilized Black (BK).

7″ - LPR7.00
14″ - LPR14.0



Automatic Tension/Cutoff Cable Tie Tool

Single trigger tool tightens cable ties to a tension that the user presets with the tensioning wheel in the grip. Easy, one-handed operation and low profile design for installations in tight or hard to reach areas. For plastic cable ties up to 50 lb.

Cable Tie Gun - AP-200

High Strength Nylon Cable Ties

Easy to use Nylon Cable Ties are perfect for virtually any bundling or management application! These economical, yet strong ties resist heat and abrasion.

7½″ - TYR7.50 Metal Barb
3¾″ - TYR3.75 Metal Barb
7½″ - CBR7.50 Plastic Barb*
3¾″ - CBR3.75 Plastic Barb*





Bench Mount Hot Knife

Heavy duty components and a heavy gauge 2 1/2" blade make this tool ideal for use in production environments. Lighted power switch. Heats to 1,112°F/600°C in 30 seconds. Replaceable blades. 110 volt operation.

Bench Mount Hot Knife - HKB0.00WH



Replacement Knife Blade - RBB0.00SV



Hot Knife Accessory Kit - HKA-KIT



Handheld Hot Knife

Perfect for individual projects or small volume production. The large knife blade heats quickly and easily cuts and seals most grades of braided sleeving. The handle can also be used as a soldering gun with the appropriate tips. 110 volt operation.

Hand Held Hot Knife - HKH0.00BK



Replacement Knife Blade - RBH0.00SV



Heavy Duty Handheld Hot Knife

German engineered, heavy duty handheld hot knife. Long life trigger switch. Heats quickly to 1,112°F/600°C. Interchangeable blades. 110 or 220 volt models available.

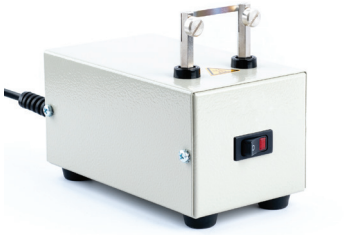
HD Handheld Knife 110 volt - GK10.00GN
HD Handheld Knife 220 volt - GK20.00GN



Solder-It Hot Knife Kit

When AC power isn't available, this refillable butane powered torch fits the bill for cutting and sealing braided sleeving. Push-button ignition, adjustable to 932°F/500°C, up to 3 hour capacity and **BONUS** cutting blade attachment.

Butane Hot Knife Kit - HKP0.00SV
Replacement Blade - RBP0.00SV



Compact Hot Knife

1" blade heats to 1,112°F/600°C in less than 10 seconds. 6" long. Weighs under 4 lbs. Replaceable carbide steel blade. Made in Germany. Available in 110 and 220 volt models.

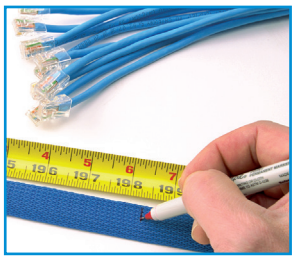
Compact Hot Knife 110 volt - GK30.00BE
Compact Hot Knife 220 volt - GK40.00BE



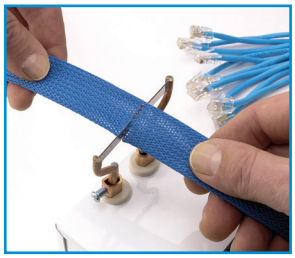
Heavy Duty Hot Knife

Thermostatically controlled electronics heat the 3" carbide blade to 1,112°F/600°C in less than ten seconds and maintain preset temperature indefinitely. This heavy duty, German engineered tool will slice through advanced chemistry polymer sleeving without dragging. Available in 110 or 220 volt models.

Heavy Duty Hot Knife 110 volt - GK50.00BE
Heavy Duty Hot Knife 220 volt - GK60.00BE

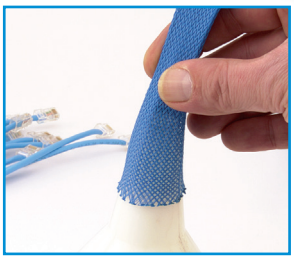


Measure the sleeving to length. Keep the sleeving relaxed and don't pull it as you measure. The most accurate method is to measure the sleeving on the actual application. There will be some foreshortening of the sleeving as it expands over large bundles or connectors. Mark the cut line with a pen or marker.

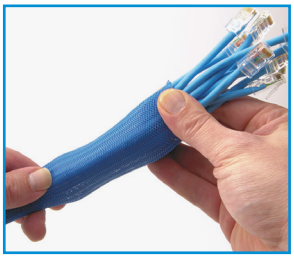


When the knife is hot, slide the sleeving over the cutting blade. Practice on a piece of scrap to get a feel for the procedure. Always cut in a well ventilated area and avoid inhaling the fumes. Both the blade and the cut ends will be ***HOT.*** *Be careful.*

While the ends are still hot, use an inverted funnel (needle nose pliers or scissors also work well) to form the end into a soft flare. This will allow the sleeving to easily slide over your application and accommodate plugs or connectors without binding.



To install the sleeving over your application, just push the flared end over the ends of the wires and "walk" the sleeve down the length of the bundle from behind. Once the sleeving is in place, just run your hand over the applied sleeving to smooth it out.





Heavy Duty Bench Mount Hot Knife

Extra large, extra strong, and extra heavy duty bench mount 1,000 watt hot knife features a 7" blade that heats to 1,500°F/815°C for quickly cutting through even the heaviest and largest sleeving quickly and cleanly. Lighted on-off rocker switch. Replaceable blades. 110 volt operation.

Heavy Duty Bench Mount Hot Knife - HKB3.00BL



Replacement Knife Blade - RBB3.00SV



8" Tuff-Cut Tubing Shears

Heavy duty, serrated stainless steel blade, red handles with custom Techflex® logo. Adjustable switch allows different jaw opening for easy cut, snip, and clip.

Techflex Tuff-Cut Tubing Shears - SHR-REDHD



Heavy Duty Serrated Edge Scissors

Serrated, angled shears are ideal for cutting Clean Cut®, Flexo® Stainless, and other sleeving types. Comfortable, high impact grips and stainless steel blades ensure years of use.

Heavy Duty Serrated Edge Scissors - SHR0.00SV



Premium Flexo® Aramid Shears

The properties that make Flexo® Aramid so tough in use also make the material a challenge to cut to length. These special shears make short work of trimming Flexo® Aramid sleeving to the proper length.

Premium Flexo Aramid Shears - KVS0.00SV



Economy Flexo® Aramid Shears

For non-production volumes, these lightweight economical shears easily cut through aramid materials. Handle color may vary.

Economy Flexo Aramid Shears - SHR0228-AS

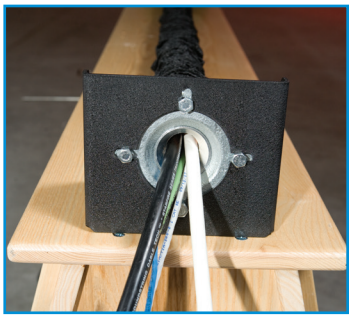
Flexo® Sleeving Rapid Install Tool

This completely modular system allows production level installation of braided sleeving over wire and cable bundles of virtually unlimited length. The system is simple to set up and interchangeable components accommodate diameters up to 2".
For more information about this product contact your Account Representative.

1.Gather Sleeving on Fixture



2.Feed Wires



3.Set-Up Pulleys



4.Pull Wires & Sleeving





Base Unit IN-EXP

Complete Kit, Small, 3 ft. - IN-EXPCS
Complete Kit, Large, 6 ft. - IN-EXPCL
3 ft. ½" Tube Assembly - IN-EXPT063
6 ft. ½" Tube Assembly - IN-EXPT066
3 ft 1" Tube Assembly - IN-EXPT123
6 ft 1" Tube Assembly - IN-EXPT126
3 ft 1 ½" Tube Assembly - IN-EXPT183
6 ft 1 ½" Tube Assembly - IN-EXPT186



ClampTite Tool

ClampTite tool is designed to tighten safety wire - any size, any shape, anywhere, thus utilizing its strength and versatility. The tool provides a way of tightening wires wrapped around an object and then locking it in place. It can be used with various sizes of wires.

Clamptite - 5¼" Stainless Steel Tool with Aluminum Bronze T-Bar Nut & Lanyard Extension - CLT01L

Safety Wire Light, 304 Stainless Steel (.025); 1 lb. Can (600') - SFW.025SV
Safety Wire Standard, 304 Stainless Steel (.032); 1 lb. Can (360') - SFW.032SV
Safety Wire Heavy, 304 Stainless Steel (.041); 1 lb. Can (220') - SFW.041SV



F6® Installation Tool

This simple tool makes installing long lengths of F6® sleeving a breeze. Just insert your bundle of wires into the shank of the tool and slide it along the split in the sleeving. As the tool travels along the sleeving, it deposits the wires and allows the split to close correctly.

For Installing 1/4" F6 Sleeving - INN0.25OR
For Installing 1/2" F6 Sleeving - INN0.50OR
For Installing 3/4" F6 Sleeving - INN0.75OR
For Installing 1" F6 Sleeving - INN1.00OR
For Installing 1½" F6 Sleeving - INN1.50OR



Flexo® Flange

Techflex's® Flexo® Flange is a quick and effective way of creating permanent wiring installations attractively and affordably. Flexo® Flange is used in a variety of applications where a secure, finished end is desirable. The processed ends add hundreds of pounds of strain relief. This innovation opens a whole new world of management possibilities that are production ready.

Patent # US 8,002,781 B1

FEN1.75BK3
FEN1.75BK5
FEN1.75BK7
FEN1.75BK10
FEN1.75BK12
FEN1.75BK15
FEN1.75BK20
FEN1.75BK25
FEN1.75BK30
FEN1.75BK40
FEN1.75BK50
FEN1.75BK75
FEN1.75BK100

For By-The-Foot Sales & Easy Access

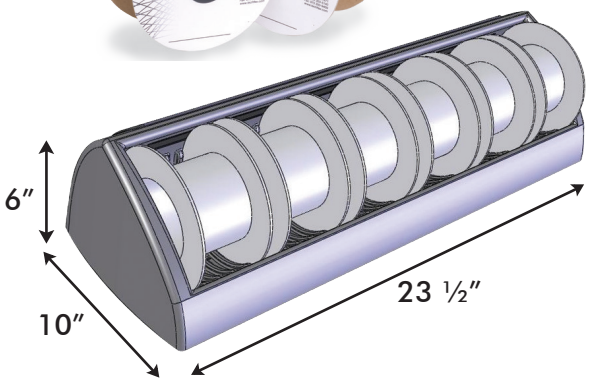
Display Rack - DSN0.00BK



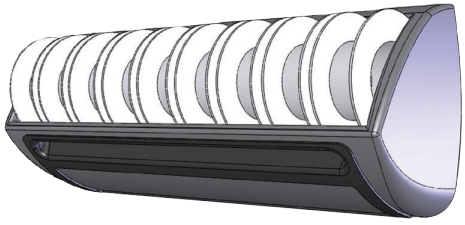
Spool and product management is now simpler and more efficient than ever. Our new display/dispenser rack allows easy control of sleeving inventories and provides a controlled system for the convenient dispensing of material directly from the spool. The rack is constructed from tough ABS plastic, with plenty of room for a wide range of products. The spools simply drop into the preformed slots and turn freely for dispensing. Full visibility and access ensures easy management of remaining inventory and simple drop-in replacement of empty spools.



The display rack holds up to 6 shop spools.



Space saving, easy access design



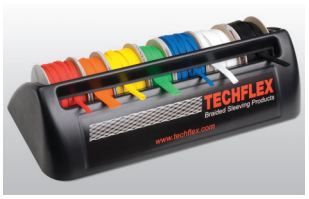
Engineered for easy and secure wall mounting

The display rack can be installed on:

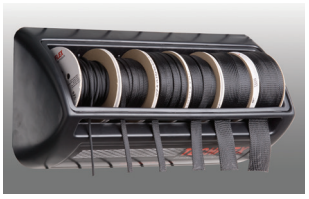
*Slot Wall



*Grid Wall



Counter



Wall

*Mounting hardware included.

1 (833) SLEEVING
www.techflex.com

PRECISION CUTTING

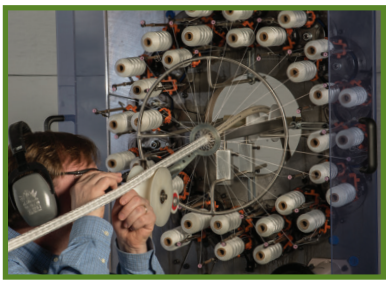
The Techflex® cutting department is equipped to save our customers time and money. Our custom cutting services are ready to create accurate parts for your production line which are ready to use. Our skilled workers and precision equipment can cut any sleeving to any length. Your precision cut pieces can be coiled or wrapped in counted bundles, bagged, labeled, and shipped. Just ask your account representative for details to find out how easy and affordable it is to order your Techflex® cut parts!



- Automated Hot Cutting
- Custom Heat Seal
- High Speed Cold Cut
- Ultrasonic Weld/Cut

ENGINEERED MATERIALS

Techflex® goes above and beyond to push the boundaries for our customers. Every day our team is working to help create the products that make your projects work. We can make custom colors and blends of many products to work with your designs. Techflex® over-braiding can be a time saving process for some applications and the Techflex® team is well equipped for your project. Custom braid constructions and size variations of our standard braid are regularly re-engineered to better meet customer specific requirements. We even offer a specialty ultrasonic cleaning service to remove manufacturing oils and residue for sensitive applications.



- Over Braiding
- Construction Customization
- Specialty Sizes
- Ultrasonically Cleaned
- Custom Colors/Blends



CUSTOM PRINTING

Techflex® continues to develop our capabilities for custom product imprinting. Customer logos, part numbers, company information, and warning labels are commonly applied to Techflex® sleevings by way of our printing services. The Techflex® art department will help ensure that customer expectations are well met. Let our printing specialists help you put the message you want on your next project. For heatshrink examples, see page 97.



- Silk Screening
- Pad Printing
- Heat Shrink Printing

DESIGN & TECHNICAL SUPPORT

We can assist you with everything from custom product development and design to final assembly services in our facility. We are equipped and staffed to provide a wide range of fabrication services and custom assembly solutions. When it comes to innovation with expandable sleeving, nobody can push the envelope further than Techflex®. That's why companies around the world count on us with their plans for non-traditional applications of our braided products. Once products are finished, we help keeping you on schedule with our JIT shipping, seamlessly filling your inventory programs such as Kanban.





- Engineering Assistance
- Prototype Development
- Packaging Design Assistance
- Product Design Assistance
- Kanban Replenishment
- JIT Inventory



SPECIALTY PACKAGING

Techflex® has been packaging braided sleeving products for customers since our beginnings over 50 years ago. We've done everything such as simple plastic bags with header cards, blister packs, custom revisions of our existing clamshell templates, and fully customized packaging solutions. Private label spools, boxes, headers, and more can make your branding message seamless. Splice free spools are often desirable for long length applications and can easily be made for you.

- Coiling
- Bundling
- Splice Free
- Private Labeling
- Custom Packaging
- Custom Kitting
- Standard Kitting



BRAID SHAPING

Our precision shaping technology sets us apart from all other braiding companies. Early on, the founders of Techflex® recognized that we can create a significantly better customer experience if we pre-shape the material to fit their application. This technology is a standard part of many of our products and can be added to many others. Our proprietary systems create easy to install sleeving that holds its form for the lifetime of the product. Ask your sales person for information today.

- Heat Treating
- Rounding
- Contractible
- Flattening



PACKAGED KITS

For Do It Yourself Projects & Retail Sales

Vibrant graphics, eye-catching packaging, and vandal proof seals are just a few of the standard features Techflex® provides in our pre-packaged kits. Retail size kits make it easy for end users to get industry trusted Techflex® products in a manageable quantity. Specialty distributors will find that Techflex® "Packaged Kits" make an easy to manage SKU for helping customers solve problems. Techflex® braided sleeving kits are an ideal way to have project ready products at your fingertips.



High Performance Products

Techflex® High Performance products are engineered to provide wire and cable management, and thermal protection in automotive and marine applications. The extensive selection of High Performance products ensures a product that will fill any customization or renovation needs.



F6 Reflex® Bike Kits

Enhance nighttime bicycling safety by installing these highly reflective F6 Reflex sleeves on your bicycle cables. Thousands of miniature retro-reflective lenses reflect light back to the source from up to 675 ft. away. The wraparound design easily slips on over existing cables with no tools or disassembly required. A profitable value added service to bicycle sales, repair, and rental shops.

Case Mod® Computer Cable Customization Kits

After the lights and the supercharged components, the final touch for computer case customization is "modding" the cables. Our Case Mod line provides computer enthusiasts with over 200 products to choose from, including UV reactive colors, to manage and customize the wires, cables, and hoses in their supercharged custom cases.



Flexo® Scuba Hose Covers

Underwater safety is a primary concern. FLEXO® adds an important and comforting level of protection and visibility. Commercial and recreational divers protect and identify their hoses with FLEXO® expandable braided sleeving. The tough braided sleeving provides a layer of protection from abrasion, degradation and wear, and the bright colors increase visibility underwater.







Flyflex® Fly Tying Body Material

Flyflex® is one of the most unusual and effective fly and lure body materials to come around in a long time. It integrates easily into time tested construction and presentation techniques, yet allows for new and exciting configurations. The flexible, expandable material is tough enough to resist repeated uses, salt water and UV damage, and provides an "al-luring" new facet to the sport.

We also manufacture Cordmate® Dockside Power Cable Sleeves, Flexo Mounting System and Small Office/Home Office Cable Management kits. For detailed information about any of these product lines, please contact an Account Representative.

1 (833) SLEEVING
www.techflex.com

PRODUCT COMPARISON

GENERAL PURPOSE

Grade	PTN	PTO	PTT	PTM	PTD	F6N	F360	F6W	CCP	FWN
Page Number	6-7	8	8	9	9	10-11	11	12	13	14
PHYSICAL PROPERTIES										
Monofilament Diameter ASTM D-204	.010	.010	.010	.010	.010	.008-.015	.010-.015	.009	.008	.010
Flammability Rating*	UL94	UL94	UL94	UL94	UL94	UL94	UL94	UL94	UL94	—
Recommended Cutting	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Scissor/HK	Hot Knife
Colors	30	7	5	5	2	4	1	2	2	4
Wall Thickness	.025	.025	.025	.025	.025	.024-.038	.030-.035	.027	.024	.025
Tensile Strength (Yarn) ASTM D-2256 Lbs	7.5	7.5	7.5	7.5	7.5	6-10	6-10	6-10	6	7.5
Abrasion Resistance	Med	Low	Med	Med	Med	Med	Med	Med	Med	Med
Specific Gravity ASTM D-792	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
Moisture Absorption % ASTM D-570	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2
Hard Vacuum Data ASTM E-595 at 10-5 torr										
TML	.19	.19	.19	.19	.19	.19	.19	.19	.19	—
CVCM	.00	.00	.00	.00	.00	.00	.00	.00	.00	—
WVR	.16	.16	.16	.16	.16	.16	.16	.16	.16	—
Smoke D-Max ASTM E-662	56	56	56	56	56	56	56	56	56	—
Outgassing	Med	Med	Med	Med	Med	Med	Med	Med	Med	—
Oxygen Index ASTM D-2863	21	21	21	21	21	21	21	21	21	—
OPERATING TEMPERATURES										
Minimum Continuous	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C
Maximum Continuous Mil-I-23053	257°F/125°C	257°F/125°C	257°F/125°C	257°F/125°C	257°F/125°C	†257°F/125°C	257°F/125°C	†257°F/125°C	257°F/125°C	257°F/125°C
Melt ASTM D-2117	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C	482°F/250°C
CHEMICAL RESISTANCE 1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected										
Aromatic Solvents	2	2	2	2	2	2	2	2	2	2
Aliphatic Solvents	1	1	1	1	1	1	1	1	1	1
Chlorinated Solvents	3	3	3	3	3	3	3	3	3	3
Weak Bases	1	1	1	1	1	1	1	1	1	1
Salts	1	1	1	1	1	1	1	1	1	1
Strong Bases	2	2	2	2	2	2	2	2	2	2
Salt Water O-S-1926	1	1	1	1	1	1	1	1	1	1
Hydraulic Fluid MIL-H-5606	1	1	1	1	1	1	1	1	1	1
Lube Oil MIL-L-7808	1	1	1	1	1	1	1	1	1	1
De-Icing Fluid MIL-A-8243	1	1	1	1	1	1	1	1	1	1
Strong Acids	3	3	3	3	3	3	3	3	3	3
Strong Oxidants	2	2	2	2	2	2	2	2	2	2
Esters/Ketones	1	1	1	1	1	1	1	1	1	1
UV Light	1	1	1	1	1	1	1	1	1	1
Petroleum	1	1	1	1	1	1	1	1	1	1
Fungus ASTM G-21	1	1	1	1	1	1	1	1	1	1
Halogen Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SVHC	None	None	None	None	None	None	None	None	None	None
UL/CSA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

†*Techflex® recommends that F6 Self-Wrapping products be tied at intervals if they are going to be continually exposed to temperatures near the high end of the continuous operating temperature.*

*UL94 V-0 RAW MATERIAL

HEAVY DUTY

	GWN	HWN	SDN	NHN	RRN	DFN	DWN	F6H	DBN	DPN	DWT	DWG
	15	16	17	18	19	22	23	24	26	27	28	29
	.010	.015	.020	FLAT FILAMENT .020	.010	NA	NA	NA	NA	NA	NA	NA
	–	UL94	–	–	–	–	–	–	–	–	–	–
	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor
	1	3	1	1	1	1	1	1	1	1	1	1
	.025	.038	.05	.05	.025	.045	.026	.06	.064	.08	.02	.05
	7.5	10	19	19	7.5	–	–	–	–	–	–	–
	Med	High	High	Extremely High	Med	High	Extremely High	Extremely High	Extremely High	Extremely High	Extremely High	Extremely High
	1.38	1.38	1.14	1.12	1.38	1.14	1.13	1.38	1.38	1.14	1.3	1.3
	.1-.2	.1-.2	2.5	2.5	.1-.2	2.7	2.7	2.7	.1-.2	2.7	–	–
	–	.19	1.10	1.10	–	1.10	–	1.10	–	1.10	–	–
	–	.00	.01	.01	–	.01	–	.01	–	.01	–	–
	–	.16	.69	.69	–	.69	–	.69	–	.69	–	–
	–	56	–	–	–	–	–	–	–	–	–	–
	–	Med	High	High	–	High	–	High	–	High	–	–
	–	21	22	22	–	22	–	22	–	22	–	–
	-94°F/-70°C	-94°F/-70°C	-49°F/-45°C	-76°F/-60°C	-94°F/-70°C	-49°F/-45°C	-60°F/-51°C	-94°F/-70°C	-94°F/-70°C	-49°F/-45°C	-40°F/-40°C	-60°F/-51°C
	257°F/125°C	257°F/125°C	302°F/150°C	302°F/150°C	257°F/125°C	248°F/120°C	200°F/93°C	257°F/125°C	257°F/125°C	248°F/120°C	250°F/140°C	250°F/140°C
	482°F/250°C	482°F/250°C	493°F/256°C	509°F/265°C	482°F/250°C	410°F/210°C	410°F/210°C	482°F/250°C	482°F/250°C	410°F/210°C	800°F/427°C	–
	2	2	1	1	2	1	1	2	2	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	3	3	1	1	3	1	1	3	3	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	2	2	1
	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1
	3	3	5	5	3	5	4	3	3	5	4	4
	2	2	5	5	2	5	4	2	2	5	4	4
	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	2	1	1	2	1	1	1	2	1	1
	1	1	3	2	1	3	2	1	1	3	2	1
	1	1	2	2	1	2	1	1	1	2	1	1
	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	–	–
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	None	None	None	None	None	None	–	None	None	None	–	–
	Yes	Yes	No	No	No	No	No	No	No	No	–	–

© 2021 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.
Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.

PRODUCT COMPARISON

METAL/SHIELDING



Grade	MBN	MFN	MBS	MBB	MBC	SSN	SSL	FSN	CNN
Page Number	30	31	32	33	33	34	35	36	37
PHYSICAL PROPERTIES									
Monofilament Diameter ASTM D-204	.005-.010	.005-.010	.005-.010	.005	.005	.010-.016	.005-.010	.010	.011
Flammability Rating*	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Self Extinguishing	–
Recommended Cutting	Shears	Shears	Shears	Shears	Shears	Shears	Shears	Shears	Hot Knife
Colors	1	1	1	1	1	1	1	1	1
Wall Thickness	.013-.025	NA	.013-.025	.013	.013	.025-.04	.013-.025	.025	.028
Tensile Strength (Yarn) ASTM D-2256 Lbs	–	–	–	–	–	–	–	–	–
Abrasion Resistance	Med	Med	Med	Med	Med	High	High	Low	Med
Specific Gravity ASTM D-792	8.9	8.9	8.9	8.5	8.9	NA	NA	NA	1.13
Moisture Absorption % ASTM D-570	NA	NA	NA	NA	NA	NA	NA	NA	2.5
Hard Vacuum Data ASTM E-595 at 10-5 torr									
TML	–	–	–	–	–	.00	.00	–	–
CVCM	–	–	–	–	–	.00	.00	–	–
WVR	–	–	–	–	–	.00	.00	–	–
Smoke D-Max ASTM E-662	–	–	–	–	–	–	–	–	–
Outgassing	–	–	–	–	–	Very Low	Very Low	–	–
Oxygen Index ASTM D-2863	–	–	–	–	–	–	–	–	–
OPERATING TEMPERATURES									
Minimum Continuous	–	–	–	–	–	–	–	-40°F/-40°C	-49°F/-45°C
Maximum Continuous Mil-I-23053	–	–	–	–	–	–	–	302°F/150°C	302°F/150°C
Melt ASTM D-2117	pg. 28	pg. 29	pg. 30	1,650°F/900°C	1,981°F/1,083°C	2,650°F/1,454°C	2,650°F/1,454°C	449°F/232°C	482°F/250°C
CHEMICAL RESISTANCE 1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected									
Aromatic Solvents	1	1	1	1	1	1	1	2	1
Aliphatic Solvents	1	1	1	1	1	1	1	1	1
Chlorinated Solvents	1	1	1	2	1	1	1	3	1
Weak Bases	1	1	1	1	1	1	1	1	1
Salts	1	1	1	1	1	2	2	1	1
Strong Bases	2	2	2	5	2	2	2	2	2
Salt Water O-S-1926	1	1	1	1	1	2	2	1	1
Hydraulic Fluid MIL-H-5606	1	1	1	1	1	1	1	1	1
Lube Oil MIL-L-7808	1	1	1	1	1	1	1	1	1
De-Icing Fluid MIL-A-8243	1	1	1	1	1	1	1	1	1
Strong Acids	5	5	5	5	5	2	2	3	4
Strong Oxidants	5	5	5	5	5	2	2	2	4
Esters/Ketones	1	1	1	1	1	1	1	1	1
UV Light	2	2	2	2	2	1	1	1	2
Petroleum	2	2	2	2	2	1	1	1	3
Fungus ASTM G-21	2	2	2	2	2	1	1	1	2
Halogen Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SVHC	None	None	None	None	None	None	None	None	None
UL/CSA	No	No	No	No	No	No	No	Yes	No

[1]Techflex® recommends that F6 Self-Wrapping products be tied at intervals if they are going to be continually exposed to temperatures near the high end of the continuous operating temperature.

*UL94 V-0 RAW MATERIAL

ADVANCED ENGINEERING

	CCF	FRN	F6V	F6F	FWF	F9T	HTN	TFN	RYN	PKN	PKRY	UFR
	38	39	40	41	42	43	44	45	46	47	48	49
	.008	.010	.010	.008-.015	.010	.009	.011	.016	.008	.010	.008-.010	
	VW-1	VW-1	VW-1	VW-1	VW-1	FAR 25, VW-1	FAR 25, VW-1	FAR 25	FAR 25, UL94 V-0	V-0	UL94 V-0	
	Scissor/HK	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Wire/Knife	Hot Knife	Hot Knife	Hot Knife	
	2	4	1	1	1	1	3	1	2	1	2	
	.024	.025	.027	.024-.038	.025	.023	.028	.04	.024	.025		
	4	5	4-6.5	4-6.5	5	4.5	4.3	2.1	6.1	–		
	Med	Med	Med	High	Med	Med	Med	Very High	Med	Med		
	1.38	1.38	1.38	1.38	1.38	1.38	1.68	2.15	1.3	1.32		
	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.1-.2	.02	<.01	.02	<.005		
	.19	.19	.19	.19	–	.19	.18	.00	.08	.26	.39	
	.04	.04	.04	.04	–	.04	.02	.00	.00	.00	.00	
	.06	.06	.06	.06	–	.06	0	0	.04	.02	.27	
	275	275	275	275	–	275	94	–	–	–	2.3	
	Med	Med	Med	Med	–	Med	Low	Very Low	Low	Low	Low	
	31	31	31	31	–	31	64	>95	40	24	37	
	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-103°F/-75°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	
	257°F/125°C	257°F/125°C	[1]257°F/125°C	[1]257°F/125°C	257°F/125°C	257°F/125°C	302°F/150°C	550°F/280°C	392°F/200°C	500°F/260°C	392°F/200°C	
	482°F/250°C	482°F/250°C	482°F/250°C	446°F/230°C	482°F/250°C	482°F/250°C	482°F/250°C	590°F/310°C	545°F/285°C	633°F/334°C	545°F/285°C	
	2	2	2	2	2	2	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	1	1	1	3	2	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	1	1	1	3	1	
	2	2	2	2	2	2	1	1	1	1	1	
	2	2	2	1	2	2	2	2	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	
	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	None	None	None	None	None	None	None	None	None	None	None	
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No		

© 2021 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.
Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.

PRODUCT COMPARISON

ADVANCED ENGINEERING | **EXTREME TEMPERATURE**

Grade	NXN	KVX	KVN	VEN	FGN	FGS	FGL	FHN	Spark Plug	SCN	
Page Number	50	52	53	53	54	55	56	57	58	59	
PHYSICAL PROPERTIES											
Monofilament Diameter ASTM D-204	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Flammability Rating*	Self Extinguishing	–	–	Self Extinguishing	VW-1	VW-1	VW-1	VW-1	VW-1		
Recommended Cutting	Scissor/ Shears	Shears	Shears	Shears	Scissor	Scissor	Scissor	Scissor	NA		
Colors	2	2	1	1	2	1	2	1	4		
Wall Thickness	.016		.02	.025	.031-.061	.05-.09	.006-.016	.010-.024	.085		
Tensile Strength (Yarn) ASTM D-2256 Lbs	8	39	39	20	–	–	–	–	–		
Abrasion Resistance	Low	High	Med	High	High	High	Med	Med	High		
Specific Gravity ASTM D-792	1.38	1.44	1.44	1.4	1.0-1.8	1.0-1.8	1.0-1.8	1.0-1.8	1.0-1.8		
Moisture Absorption % ASTM D-570	4	–	–	<.005	.01	.01	.01	.01	.01		
Hard Vacuum Data ASTM E-595 at 10-5 torr											
TML	3.94	3.13	3.13	.21	–	–	–	.01	–		
CVCM	.18	.19	.19	.00	–	–	–	.00	–		
WVR	2.91	1.76	1.76	.00	–	–	–	.00	–		
Smoke D-Max ASTM E-662	–	–	–	–	–	–	–	–	–		
Outgassing	–	High	High	Med	–	–	–	.19	–		
Oxygen Index ASTM D-2863	28	29	29	>30	–	–	–	–	–		
OPERATING TEMPERATURES											
Minimum Continuous	-76°F/-60°C	-274°F/-170°C	-274°F/-170°C	–	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C		
Maximum Continuous Mil-I-23053	428°F/220°C	320°F/160°C	320°F/160°C	–	1,202°F/650°C	1,202°F/650°C	1,202°F/650°C	1,202°F/650°C	1,202°F/650°C		
Melt ASTM D-2117	662°F/350°C	Will Not Melt	Will Not Melt	625°F/330°C	2,048°F/1,120°C	2,048°F/1,120°C	2,048°F/1,120°C	2,048°F/1,120°C	2,048°F/1,120°C		
CHEMICAL RESISTANCE 1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected											
Aromatic Solvents	–	2	2	–	1	1	1	1	1		
Aliphatic Solvents	–	2	2	–	1	1	1	1	1		
Chlorinated Solvents	–	2	2	1	1	1	1	1	1		
Weak Bases	–	1	1	–	1	1	1	1	1		
Salts	–	1	1	–	1	1	1	1	1		
Strong Bases	1	2	2	–	1	1	1	1	1		
Salt Water O-S-1926	–	1	1	1	1	1	1	1	1		
Hydraulic Fluid MIL-H-5606	–	1	1	1	1	1	1	1	1		
Lube Oil MIL-L-7808	–	1	1	1	1	1	1	1	1		
De-Icing Fluid MIL-A-8243	–	1	1	–	1	1	1	1	1		
Strong Acids	2	2	2	–	2	2	2	2	2		
Strong Oxidants	2	2	2	–	2	2	2	2	2		
Esters/Ketones	–	1	1	–	1	1	1	1	1		
UV Light	2	4	4	–	2	2	2	2	2		
Petroleum	1	1	1	1	1	1	1	1	1		
Fungus ASTM G-21	–	2	2	–	1	1	1	1	1		
Halogen Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
RoHS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
SVHC	None	None	None	None	None	None	None	None	None		
UL/CSA	No	No	No	No	Yes	Yes	Yes	Yes	Yes		

[1]*Techflex® recommends that F6 Self-Wrapping products be tied at intervals if they are going to be continually exposed to temperatures near the high end of the continuous operating temperature.*

*UL94 V-0 RAW MATERIAL

EXTREME TEMPERATURE

	FHH	HFN	HSN	VWN	THERMASHIELD	T6F	CNS	TST	SLN	WWH	FIN	FIA
	59	60	60	61	62-63	64	65	65	66	67	68	69
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	VW-1	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable	Non Flammable
	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor	Scissor/Shears	Scissor	Scissor
	1	2	1	1	1	1	1	1	1	1	2	2
	.025-.035	.0625-.125	.0625-.125	.0625	See Pg. 62-63	.042	.025	.068	.06	.04	.072	.115
	—	—	—	—	—	—	—	—	—	—	Extremely High	Extremely High
	Med	NA	NA	NA	NA	NA	NA	NA	Med	High	NA	NA
	1.0-1.8	2.6	2.2	3.2	—	—	—	—	—	NA	—	—
	.01	—	—	—	—	—	—	—	—	—	—	—
	.01	—	—	—	—	—	—	—	—	—	—	—
	.00	—	—	—	—	—	—	—	—	—	—	—
	.00	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	Low	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	-94°F/-70°C	-70°F/-57°C	—	-436°F/-260°C	-76°F/-60°C	-76°F/-60°C	-76°F/-60°C	-76°F/-60°C	—	-40°F/-40°C	-65°F/-54°C	-65°F/-54°C
	1,202°F/650°C	1,200°F/649°C	2,000°F/1,093°C	1,292°F/700°C	491°F/255°C	392°F/200°C	392°F/200°C	392°F/200°C	1,800°F/982°C	400°F/204°C	500°F/260°C	500°F/260°C
	2,048°F/1,120°C	2,048°F/1,120°C	3,000°F/1,649°C	2,642°F/1,450°C	2,048°F/1,120°C	2,048°F/1,120°C	2,048°F/1,120°C	2,048°F/1,120°C	3,000°F/1,649°C	NA	2,048°F/1,120°C	2,048°F/1,120°C
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	2	2	2	2	2	2	2	2	2	—	2	2
	2	2	2	2	2	2	2	2	2	—	2	2
	1	1	1	1	1	1	1	1	1	—	1	1
	2	2	2	2	1	1	1	1	2	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	1	1	1	1	1	1	1	1	1	—	1	1
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	Yes
	None	None	None	None	—	—	—	—	None	—	—	—
	Yes	No	No	No	No	No	No	No	No	No	No	No

© 2021 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.
Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.

PRODUCT COMPARISON

EXTREME TEMPERATURE | **SPECIALTY**

Grade	FIW	FIF	SRF	GRF	DGN	L6N	F6Z	NYN	NMN	F6R
Page Number	70	70	73	73	75	76	77	78	79	80
PHYSICAL PROPERTIES										
Monofilament Diameter ASTM D-204	NA	NA	NA	NA		NA	.015	.012	NA	.008-.015
Flammability Rating*	Non Flammable	Non Flammable	—	—		—	—	—	—	—
Recommended Cutting	Scissor	Scissor	Scissor	Scissor		Scissor	Hot Knife	Hot Knife	Scissor	Hot Knife
Colors	1	3	1	1		1	1	1	1	1
Wall Thickness	.045	.094	.014	.006		.046	.038	.03	.03-.06	.024-.025
Tensile Strength (Yarn) ASTM D-2256 Lbs	—	Extremely High	—	—		—	6-10	10.5	—	—
Abrasion Resistance	—	NA	—	—		—	Med	High	Extremely High	Low
Specific Gravity ASTM D-792	—	—	—	—		1.38	1.38	1.14	1.14	1.38
Moisture Absorption % ASTM D-570	—	—	—	—		.1-.2	.1-.2	2.5	2.5	.1-.2
Hard Vacuum Data ASTM E-595 at 10-5 torr										
TML	—	—	—	—		—	.19	1.10	1.10	—
CVCM	—	—	—	—		—	.00	.01	.01	—
WVR	—	—	—	—		—	.16	.69	.69	—
Smoke D-Max ASTM E-662	—	—	—	—		—	56	—	—	—
Outgassing	—	—	—	—		—	Med	High	High	—
Oxygen Index ASTM D-2863	—	—	—	—		—	21	22	22	—
OPERATING TEMPERATURES										
Minimum Continuous	-65°F/-54°C	-65°F/-54°C	—	—		-94°F/-70°C	-94°F/-70°C	-49°F/-45°C	-49°F/-45°C	-22°F/-30°C
Maximum Continuous Mil-I-23053	500°F/260°C	500°F/260°C	1,050°F/566°C	500°F/260°C		257°F/125°C	†257°F/125°C	302°F/150°C	248°F/120°C	†257°F/125°C
Melt ASTM D-2117	2,048°F/1,120°	2,048°F/1,120°	—	850°F/454°C		482°F/250°C	482°F/250°C	493°F/256°C	428°F/220°C	446°F/230°C
CHEMICAL RESISTANCE 1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected										
Aromatic Solvents	1	1	—	—		2	2	1	1	2
Aliphatic Solvents	1	1	—	—		1	1	1	1	1
Chlorinated Solvents	1	1	—	—		2	3	1	1	3
Weak Bases	1	1	—	—		1	1	1	1	1
Salts	1	1	—	—		1	1	1	1	1
Strong Bases	1	1	—	—		3	2	2	2	2
Salt Water O-S-1926	1	1	—	—		1	1	1	1	1
Hydraulic Fluid MIL-H-5606	1	1	—	—		1	1	1	1	1
Lube Oil MIL-L-7808	1	1	—	—		1	1	1	1	1
De-Icing Fluid MIL-A-8243	1	1	—	—		1	1	1	1	1
Strong Acids	2	2	—	—		3	3	5	5	3
Strong Oxidants	2	2	—	—		2	2	5	5	2
Esters/Ketones	1	1	—	—		1	1	1	2	1
UV Light	1	1	—	—		1	1	2	2	1
Petroleum	1	1	—	—		1	1	3	2	1
Fungus ASTM G-21	1	1	—	—		1	1	2	3	1
Halogen Free	Yes	Yes	—	—		Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	—	—		Yes	Yes	Yes	Yes	Yes
SVHC	—	—	—	—		None	None	None	None	—
UL/CSA	No	No	No	No		No	No	No	No	No

†*Techflex® recommends that F6 Self-Wrapping products be tied at intervals if they are going to be continually exposed to temperatures near the high end of the continuous operating temperature.*

*UL94 V-0 RAW MATERIAL

SPECIALTY

	RFN	NRN	F6Q	SKN	FPW	DRN	NSN	MYN/MYE	CHN	CXN	FFN	FTN	CAL/CAN/CAH
	80	81	81	82	84	86	87	88	89	89	90	90	91
	.010	.010	.008-.015	NA		NA	.028	.010	.010	.005	.006	.002-.003	NA
	—	UL94	UL94	—		—	—	—	—	—	UL94		Non Flammable
	Hot Knife	Scissor /HK	Scissor /HK	Scissor	Scissor	Scissor	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Hot Knife	Scissor
	2	1	1	1 Reversible	1	1	3	2	1	3	1	1	1
	.026	.025	.04	.048	.013	.012	.07	.025	.025	.013	.015	.005+.008	.013-.030
	—	7.5	7.5	NA		—	—	—	—	—	4.5		—
	Low	Med	Med	Low		Extremely High	Med	Very Low	Med	Med	Low	Low	Med
	1.38	1.38	1.38	NA		1.13	1.38	1.3	1.3	1.3	1.38	1.14	1.75-1.85
	.1-.2	.1-.2	.1-.2	NA		2.7	.1-.2	.1-.2	—	.1-.2	.1-.2	2.5	—
	—	.19	.19	—		—	—	.19	.19	.19	.19	1.10	—
	—	.00	.00	—		—	—	.00	.00	.00	.00	.01	—
	—	.16	.16	—		—	—	.16	.16	.14	.16	.69	—
	—	—	—	—		—	—	—	—	—	—	—	—
	—	Med	Med	—		—	—	Med	Med	Med	Med	High	—
	—	21	21	—		—	—	21	21	21	21	22	—
	-22°F/-30°C	-94°F/-70°C	-94°F/-70°C			-60°F/-51°C	-40°F/-40°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-94°F/-70°C	-49°F/-45°C	—
	257°F/125°C	257°F/125°C	†257°F/125°C			200°F/93°C	175°F/79°C	257°F/125°C	257°F/125°C	302°F/150°C	257°F/125°C	248°F/120°C	—
	446°F/230°C	446°F/230°C	446°F/230°C			410°F/374°C	260°F/126°C	482°F/250°C	482°F/250°C	500°F/260°C	482°F/250°C	428°F/220°C	NA
	2	2	2	1		1	2	2	2	2	2	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	3	3	3	1		1	3	3	3	3	3	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	2	2	2	2		2	2	3	3	3	2	2	—
	1	1	1	1		1	1	1	1	1	1	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	1	1	1	1		1	1	1	1	1	1	1	—
	3	3	3	4		3	3	3	3	3	3	5	—
	2	2	2	4		4	2	2	2	2	2	5	—
	1	1	1	1		1	1	1	1	1	1	1	1
	1	1	1	1		1	1	1	1	1	1	2	2
	1	1	1	2		2	1	1	1	1	1	2	—
	1	1	1	1		1	1	1	1	1	1	3	—
	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
	—	None	None			—	—	None	None	None	None	None	—
	No	No	No			No	No	No	No	No	No	No	No

© 2021 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden.
Techflex® product names and logos are registered trademarks of Techflex®, unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex® makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's® only obligations are those in standard terms of sale for these products and Techflex® will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.


TECHFLEX
50
1965-2015
YEARS

CALL
1 (833) SLEEVING
(1-833-753-3846)
1-973-300-9242 in NJ

FAX
1-973-300-9409 in NJ

MAIL
TECHFLEX
104 Demarest Road
Sparta, NJ 07871



We are commited to providing the most advanced products,
the widest selections, the most knowledgeable customer service,
and the best value to our customers.

www.**techflex**.com

TFC07.27.21