



TECHFLEX

Braided Sleeving Products

Solutions





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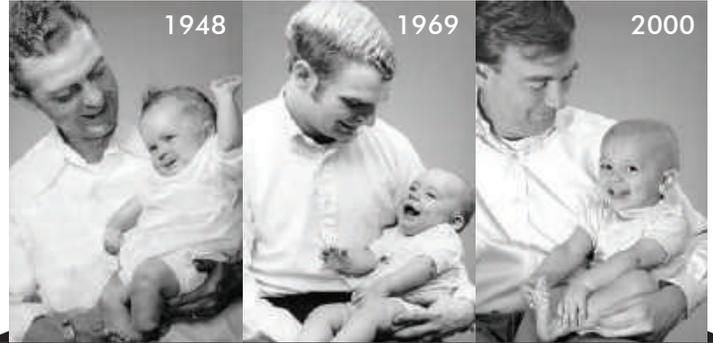
FOR OVER 50 YEARS...

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!

Bill³
Bill⁴

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



Cert. # US04/3598



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

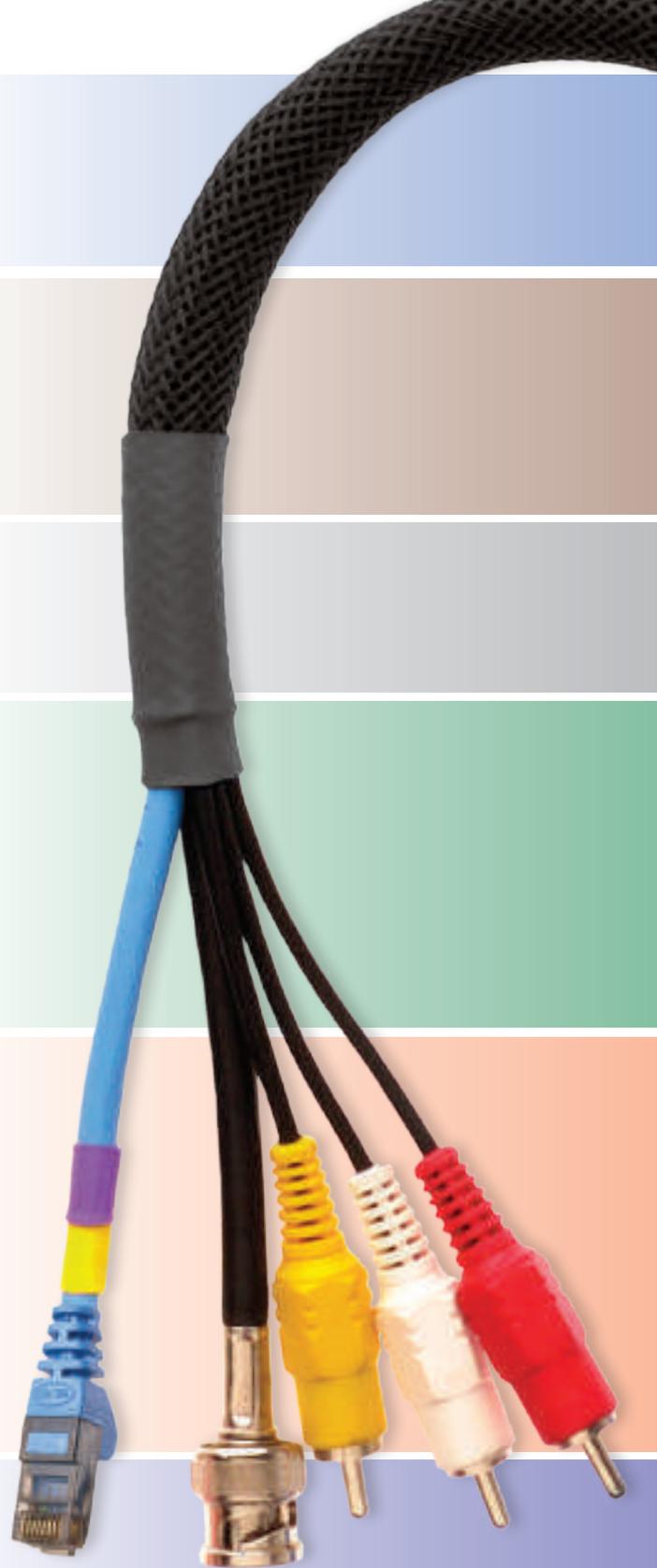
This feature of expandable sleeving is useful in rugged applications where soaking and wash downs are common. Unlike sealed tubular products, FLEXO sleeving doesn't trap moisture, grease, or oils which can harm wire jacketing.

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.

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- **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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
1,6mm	PTN0.06	1,2mm	2,4mm	304,8m	76,2m	more than 40 (check for availability)	0,33
3,2mm	PTN0.13	2,4mm	6,4mm	304,8m	68,6m		0,30
6,4mm	PTN0.25	3,2mm	11,1mm	304,8m	61,0m		0,45
7,9mm	PTN0.31	3,9mm	11,9mm	152,4m	45,7m		0,74
9,5mm	PTN0.38	4,8mm	12,7mm	152,4m	38,1m		0,85
11,1mm	PTN0.44	5,5mm	15,8mm	152,4m	38,1m		1,01
12,7mm	PTN0.50	6,4mm	19,1mm	152,4m	30,5m		1,15
14,2mm	PTN0.56	7,9mm	22,2mm	152,4m	30,5m		1,20
15,9mm	PTN0.63	9,5mm	25,4mm	152,4m	30,5m		1,41
19,1mm	PTN0.75	12,7mm	31,8mm	76,2m	22,9m		1,79
25,4mm	PTN1.00	15,9mm	41,3mm	76,2m	19,8m		2,00
31,8mm	PTN1.25	19,1mm	44,5mm	76,2m	15,2m		2,38
38,1mm	PTN1.50	25,4mm	54,0mm	61,0m	12,2m		2,92
44,5mm	PTN1.75	31,8mm	69,9mm	61,0m	9,1m		3,65
50,8mm	PTN2.00	38,1mm	88,9mm	61,0m	15,2m		3,87
63,5mm	PTN2.50	44,5mm	92,1mm	61,0m	15,2m		5,66
76,2mm	PTN3.00	63,5mm	120,7mm	30,5m	15,2m		5,66

3 End Construction

6,4mm	PT30.25	3,2mm	9,5mm	304,8m	61,0m	BK, CL, NB & RE	0,58
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9 Mil Construction

101,6mm	PT94.00BK	101,6mm	165,1mm	30,5m	15,2m	Black (BK)	5,66
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PET Lean

19,1mm	PTL0.75BK	12,7mm	31,8mm	76,2m	22,9m	Black (BK)	1,55
31,8mm	PTL1.25BK	19,1mm	44,5mm	76,2m	15,2m	Black (BK)	1,77



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.



CL	Clear	WH	White	PT	Patriot	DS	Desert
RD	Red	NP	*Neon Pink	SH	Super Hero	MO	Monochrome
OR	Orange	NR	*Neon Red	JS	Jester	GW	Gray White
YL	Yellow	NY	*Neon Yellow	OG	Ogre	RS	Red Spiral
GN	Green	NG	*Neon Green	NX	Nitrox	SM	Shimmer
BL	Blue	NB	*Neon Blue	GD	Ground Wire	RC	Rainbow Clear
DP	Dark Purple	PP	Purple	SS	Safety Stripe	RE	Reggae
BR	Brown	BE	Beige	SK	Snake	RB	Rainbow Black
GY	Gray	PG	Platinum Gray	CF	Checkered Flag	FG	Forest Green
BK	Black	AQ	Aqua	CB	Carbon	BM	Black Magic

***UV Reactive**

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

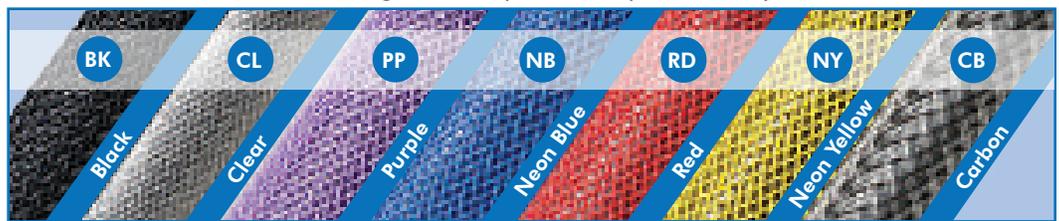


GENERAL PURPOSE

- 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. Created to provide a fast, easy bundling solution for automotive and marine wiring. Overexpanded opens nearly 4 to 1.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	PTO0.25	3,2mm	12,7mm	304,8m	61,0m	BK	0,36
9,5mm	PTO0.38	4,8mm	25,4mm	152,4m	38,1m	BK,CL,PP,NB,RD,NY,CB	0,77
12,7mm	PTO0.50	11,1mm	34,9mm	152,4m	30,5m	CL & BK	0,90



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	PTT0.13	1,6mm	6,4mm	304,8m	68,6m	BNR,BNB,BNO,BNY,BK	0,43
6,4mm	PTT0.25	4,4mm	8,7mm	304,8m	61,0m	BNR,BNB,BNO,BNY,BK	0,54
7,9mm	PTT0.31	6,4mm	9,5mm	304,8m	61,0m	BNR,BNB,BNO,BNY,BK	0,86
12,7mm	PTT0.50	8,7mm	15,9mm	152,4m	30,5m	BNR,BNB,BNO,BNY,BK	1,25
19,1mm	PTT0.75	12,7mm	20,6mm	76,2m	22,9m	BNR,BNB,BNO,BNY,BK	1,64
25,4mm	PTT1.00	15,9mm	28,6mm	76,2m	19,8m	BNR,BNB,BNO,BNY,BK	1,83
31,8mm	PTT1.25	25,4mm	42,9mm	76,2m	15,2m	BNR,BNB,BNO,BNY,BK	1,93
38,1mm	PTT1.50	28,6mm	50,8mm	61,0m	12,2m	BNR,BNB,BNO,BNY,BK	2,90
44,5mm	PTT1.75	38,1mm	66,7mm	61,0m	9,1m	BNR,BNB,BNO,BNY,BK	3,87
50,8mm	PTT2.00	44,5mm	79,4mm	61,0m	15,2m	BNR,BNB,BNO,BNY,BK	5,10
63,5mm	PTT2.50	50,8mm	88,9mm	30,5m	15,2m	BNR,BNB,BNO,BNY,BK	5,36

1-973-300-9242
www.techflex.com





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.

• Expands up to 150%

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
9,5mm	PTM0.38	6,4mm	11,1mm	152,4m	38,1m	DE, FI, CA, DC, JU	0,73
12,7mm	PTM0.50	9,5mm	15,9mm	152,4m	30,5m	DE, FI, CA, DC, JU	1,10
19,1mm	PTM0.75	15,9mm	30,2mm	76,2m	22,9m	DE, FI, CA, DC, JU	1,47
25,4mm	PTM1.00	22,2mm	38,1mm	76,2m	19,8m	DE, FI, CA, DC, JU	1,96
31,8mm	PTM1.25	28,6mm	44,5mm	76,2m	19,8m	DE, FI, CA, DC, JU	1,99
38,1mm	PTM1.50	34,9mm	60,3mm	61,0m	12,2m	DE, FI, CA, DC, JU	2,50



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	PTD0.25	3,2mm	11,1mm	304,8m	61,0m	EM & TM	0,45
9,5mm	PTD0.38	4,8mm	12,7mm	152,4m	38,1m	EM & TM	0,85
12,7mm	PTD0.50	6,4mm	19,1mm	152,4m	30,5m	EM & TM	1,15
15,9mm	PTD0.63	9,5mm	25,4mm	152,4m	30,5m	EM & TM	1,41
19,1mm	PTD0.75	12,7mm	31,8mm	76,2m	22,9m	EM & TM	1,79
25,4mm	PTD1.00	15,9mm	41,3mm	76,2m	19,8m	EM & TM	1,99
31,8mm	PTD1.25	19,1mm	44,5mm	76,2m	15,2m	EM & TM	2,38
38,1mm	PTD1.50	25,4mm	54,0mm	61,0m	12,2m	EM & TM	2,92
44,5mm	PTD1.75	31,8mm	69,9mm	61,0m	9,1m	EM & TM	3,65

• Dual-Colored Monofilament



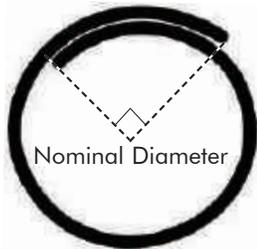


- **Easy, Cost Effective Installation**
- **More Flexible than Split Convuluted or Spiral Wrap**
- **25% Edge Overlap**
- **Retains Shape & Rigidity Throughout -94°F to 257°F Temp. Range**
- **Melt Temp 482°F**

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.

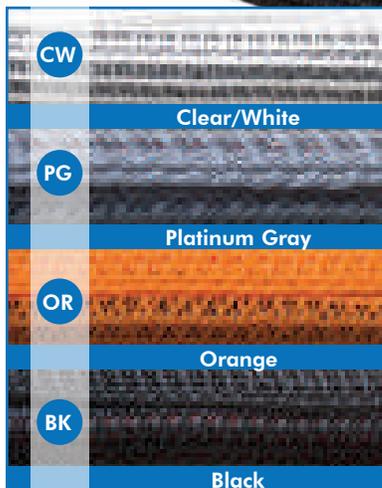
F6N will bend to a tight radius without distorting or splitting open, and unlike full rigid tubing, will not impair or affect the flexibility of harnesses. F6 allows for addition or removal of wires without disassembly.



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 102.



Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Kgs/100m
			Bulk Box	Box A	Box B		
3,2mm	F6N0.13	0,6mm	2.438,4m	122,0m	30,5m	BK, OR, PG, CW	0,70
6,4mm	F6N0.25	0,6mm	914,6m	61,0m	30,5m	BK, OR, PG, CW	0,89
9,5mm	F6N0.38	0,6mm	457,3m	45,7m	22,9m	BK, OR, PG, CW	1,79
12,7mm	F6N0.50	0,6mm	365,9m	45,7m	22,9m	BK, OR, PG, CW	2,08
19,1mm	F6N0.75	0,6mm	152,4m	30,5m	15,2m	BK, OR, PG, CW	2,38
25,4mm	F6N1.00	1,0mm	122,0m	30,5m	15,2m	BK, OR, PG, CW	2,98
31,8mm	F6N1.25	1,0mm	76,2m	22,9m	7,6m	BK, OR, PG, CW	3,57
38,1mm	F6N1.50	1,0mm	76,2m	22,9m	7,6m	BK, OR, PG, CW	4,02
50,8mm	F6N2.00	1,0mm	61,0m	15,2m	7,6m	BK, OR, PG, CW	5,36





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	Kgs/100m
			Bulk Box	Box A	Box B		
9,5mm	F360.38BK	0,71mm	457,2m	45,7m	22,8m	Black (BK)	1,23
12,7mm	F360.50BK	0,71mm	365,7m	45,7m	22,8m	Black (BK)	1,69
19,1mm	F360.75BK	0,71mm	152,4m	30,4m	15,2m	Black (BK)	2,27
25,4mm	F3601.00BK	0,71mm	121,9m	30,4m	15,2m	Black (BK)	2,48
31,8mm	F3601.25BK	0,71mm	76,2m	22,8m	7,6m	Black (BK)	3,36
34,9mm	F3601.38BK	0,71mm	60,9m	22,8m	7,6m	Black (BK)	3,69
38,1mm	F3601.50BK	1,01mm	60,9m	22,8m	7,6m	Black (BK)	5,80
50,8mm	F3602.00BK	1,01mm	30,4m	15,2m	7,6m	Black (BK)	7,99

- **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**





**GENERAL
PURPOSE**

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

Woven, Split Tubular Harness Wrap

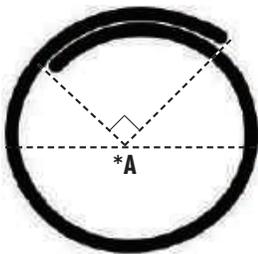
F6 WOVEN WRAP (F6W) has been engineered from the ground up to meet the demanding specifications of today's modern wiring harness industry.

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.

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

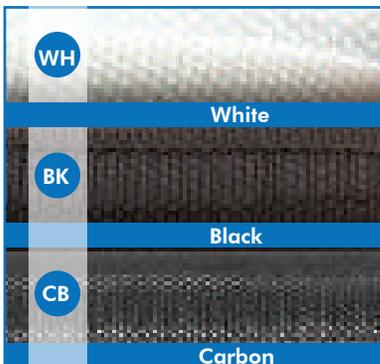
The Right Overlap For Your Harness



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



The Perfect Fit,
Every Time



Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Overlap *A	Kgs/100m
			Bulk	A	B			
3,2mm	F6W0.13	0,7mm	548,8m	274,4m	91,5m	WH, BK, CB	40%	0,85
4,8mm	F6W0.19	0,7mm	365,9m	182,9m	61,0m	WH, BK, CB	51%	1,46
6,4mm	F6W0.25	0,7mm	282,0m	137,2m	61,0m	WH, BK, CB	44%	1,64
7,9mm	F6W0.31	0,7mm	198,2m	99,1m	38,1m	WH, BK, CB	40%	1,93
9,5mm	F6W0.38	0,7mm	137,2m	68,6m	30,5m	WH, BK, CB	41%	2,23
12,7mm	F6W0.50	0,7mm	91,1m	45,7m	22,9m	WH, BK, CB	35%	2,68
15,9mm	F6W0.63	0,7mm	76,2m	38,1	22,9m	WH, BK, CB	30%	3,13
19,1mm	F6W0.75	0,7mm	45,7m	30,5m	15,2m	WH, BK, CB	28%	3,57
25,4mm	F6W1.00	0,7mm	30,5m	22,9m	15,2m	WH, BK, CB	26%	4,76
38,1mm	F6W1.50	0,7mm	15,2m	7,6m	-	WH, BK, CB	23%	6,70
44,5mm	F6W1.75	0,7mm	15,2m	3,0m	-	WH, BK, CB	23%	7,44
50,8mm	F6W2.00	0,7mm	12,2m	3,0m	-	WH, BK, CB	23%	8,93

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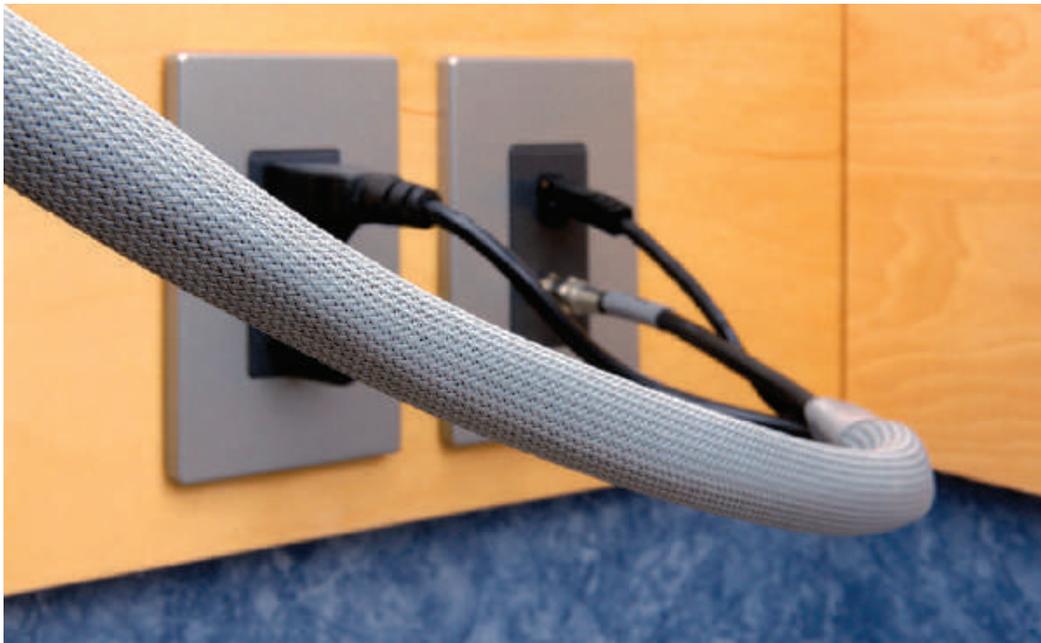


Scissor-Cut For Easy, Fray-Resistant Installation In Production Or Field

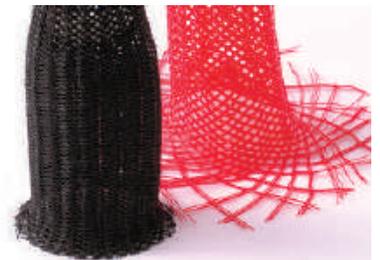
By adjusting the physical characteristics of the polyethylene terephthalate filaments, the engineers at Techflex have produced a product with the same specifications as our PET with the unique advantage of being able to cut the material with ordinary scissors and still maintain an extraordinarily fray-resistant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



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.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	CCP0.13	3,2mm	6,4mm	304,8m	30,5m	BK & GY	0,60
6,4mm	CCP0.25	4,0mm	11,1mm	304,8m	30,5m	BK & GY	0,68
9,5mm	CCP0.38	4,8mm	15,9mm	152,4m	30,5m	BK & GY	1,10
12,7mm	CCP0.50	6,4mm	19,1mm	152,4m	30,5m	BK & GY	1,22
19,1mm	CCP0.75	15,9mm	25,4mm	76,2m	22,9m	BK & GY	1,65
25,4mm	CCP1.00	19,1mm	30,2mm	76,2m	15,2m	BK & GY	1,85
31,8mm	CCP1.25	25,4mm	38,1mm	76,2m	15,2m	BK & GY	2,32
38,1mm	CCP1.50	31,8mm	50,8mm	76,2m	15,2m	BK & GY	2,75
44,5mm	CCP1.75	38,1mm	54,0mm	61,0m	15,2m	BK & GY	3,42
50,8mm	CCP2.00	44,5mm	63,5mm	61,0m	15,2m	BK & GY	4,17





- **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 (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.

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.



Easy and secure cable organization.



Nominal Size	Part #	Hook & Loop Width	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
12,7mm	FWN0.50	6,4mm	30,5m	6,1m	WH, GY, PG & BK	1,93
19,1mm	FWN0.75	15,9mm	30,5m	4,6m	WH, GY, PG & BK	2,68
31,8mm	FWN1.25	15,9mm	30,5m	3,7m	WH, GY, PG & BK	3,42
50,8mm	FWN2.00	15,9mm	30,5m	3,0m	WH, GY, PG & BK	4,76
63,5mm	FXN2.50BK	15,9mm	30,5m	3,0m	BK	5,58



Adjustable Diameter Sleeve With Easy On, Easy Off Access

GRIP WRAP (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.

Grip Wrap 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 Grip Wrap system provides a variety of sealing and mounting options to accommodate any harnessing or cable management application.

One Size - Multiple Possibilities



Grip Wrap can be screwed in place for permanent wire duct.

Nominal Size	Part #	Flat Width	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
19,1mm	GWN0.75BK	74,6mm	15,2m	7,6m	Black (BK)	2,98
25,4mm	GWN1.00BK	112,7mm	15,2m	7,6m	Black (BK)	4,46
34,9mm	GWN1.38BK	134,9mm	15,2m	7,6m	Black (BK)	5,95
Extra Flexible Construction						
19,1mm	GWX0.75BK	79,4mm	15,2m	7,6m	Black (BK)	4,42

- **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.





HEAVY DUTY

- 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.

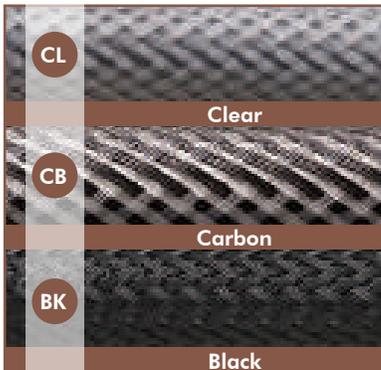
HWN is the perfect solution for use on hoses, cables, and chains to protect painted or laminated surfaces from scuffing and wear.



MARINE INDUSTRY PROVEN



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



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	HWN0.13BK	1,6mm	4,8mm	152,4m	38,1m	BK	0,40
9,5mm	HWN0.38	4,8mm	19,1mm	152,4m	30,5m	CL, CB & BK	1,22
15,9mm	HWN0.63	7,9mm	22,2mm	76,2m	22,9m	CL, CB & BK	1,64
25,4mm	HWN1.00	12,7mm	38,1mm	76,2m	15,2m	CL, CB & BK	2,38
38,1mm	HWN1.50	19,1mm	50,8mm	76,2m	15,2m	CL, CB & BK	3,72
50,8mm	HWN2.00	38,1mm	76,2mm	61,0m	15,2m	CL, CB & BK	5,06
76,2mm	HWN3.00	50,8mm	101,6mm	30,5m	15,2m	CL, CB & BK	6,25
101,6mm	HWN4.00	63,5mm	139,7mm	30,5m	15,2m	CL, CB & BK	6,25

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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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	SDN0.25BK	6,4mm	12,7mm	152,4m	30,5m	Black (BK)	1,56
12,7mm	SDN0.50BK	12,7mm	25,4mm	76,2m	30,5m	Black (BK)	2,75
19,1mm	SDN0.75BK	19,1mm	31,8mm	76,2m	15,2m	Black (BK)	3,42
25,4mm	SDN1.00BK	25,4mm	38,1mm	76,2m	15,2m	Black (BK)	4,09
31,8mm	SDN1.25BK	31,8mm	50,8mm	76,2m	15,2m	Black (BK)	4,46
44,5mm	SDN1.75BK	44,5mm	69,9mm	30,5m	7,6m	Black (BK)	5,95
57,2mm	SDN2.25BK	57,2mm	76,2mm	30,5m	7,6m	Black (BK)	7,89



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

Nylon® is a registered trademark of DuPont Corporation.



Abrasion Resistance						
630	950	*2,500	3,500	4,400	8,500	13,000
HIGH			EXTREMELY HIGH			



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HEAVY
DUTY

- **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)



Constant abuse from abrasion and vibration makes Gorilla Sleeve the choice to protect hoses on excavators and heavy equipment.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
9,5mm	NHN0.38BK	6,4mm	12,7mm	152,4m	30,5m	Black (BK)	1,49
12,7mm	NHN0.50BK	9,5mm	15,9mm	152,4m	30,5m	Black (BK)	2,08
19,1mm	NHN0.75BK	15,9mm	25,4mm	76,2m	15,2m	Black (BK)	3,13
25,4mm	NHN1.00BK	22,2mm	31,8mm	76,2m	15,2m	Black (BK)	3,27
31,8mm	NHN1.25BK	25,4mm	38,1mm	76,2m	15,2m	Black (BK)	3,72
38,1mm	NHN1.50BK	31,8mm	44,5mm	30,5m	7,6m	Black (BK)	5,06
44,5mm	NHN1.75BK	38,1mm	50,8mm	30,5m	7,6m	Black (BK)	5,95
50,8mm	NHN2.00BK	44,5mm	63,5mm	30,5m	7,6m	Black (BK)	6,55
76,2mm	NHN3.00BK	57,2mm	88,9mm	30,5m	7,6m	Black (BK)	9,67

Nylon® is a registered trademark of DuPont Corporation.

Abrasion Resistance

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

EXTREMELY HIGH



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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.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	RR30.25DB	3,2mm	9,5mm	304,8m	61,0m	Dark Brown (DB)	0,58
9,5mm	RRN0.38DB	4,8mm	12,7mm	152,4m	38,1m	Dark Brown (DB)	0,85
12,7mm	RRN0.50DB	6,4mm	19,1mm	152,4m	30,5m	Dark Brown (DB)	1,15
15,9mm	RRN0.63DB	9,5mm	25,4mm	152,4m	30,5m	Dark Brown (DB)	1,41
19,1mm	RRN0.75DB	12,7mm	31,8mm	76,2m	22,9m	Dark Brown (DB)	1,79
25,4mm	RRN1.00DB	15,9mm	41,3mm	76,2m	19,8m	Dark Brown (DB)	1,99
31,8mm	RRN1.25DB	19,1mm	44,5mm	76,2m	15,2m	Dark Brown (DB)	2,38
38,1mm	RRN1.50DB	25,4mm	54,0mm	61,0m	12,2m	Dark Brown (DB)	2,92
44,5mm	RRN1.75DB	31,8mm	69,9mm	61,0m	9,1m	Dark Brown (DB)	3,65
50,8mm	RRN2.00DB	38,1mm	88,9mm	61,0m	15,2m	Dark Brown (DB)	3,87
63,5mm	RRN2.50DB	44,5mm	92,1mm	61,0m	15,2m	Dark Brown (DB)	5,66

Use caution while handling Flexo Rodent Resistant. May cause skin and/or eye irritation.



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.

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**HEAVY
DUTY**

- **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	Kgs/100m
			Maxi Coil	Bulk Spool	Shop Spool		
18,0mm	DFN0.71BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	3,82
21,1mm	DFN0.83BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	3,84
23,4mm	DFN0.92BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	4,79
25,4mm	DFN1.00BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	5,45
28,7mm	DFN1.13BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	6,22
31,8mm	DFN1.25BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	6,68
34,0mm	DFN1.34BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	7,20
40,4mm	DFN1.59BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	7,99
44,5mm	DFN1.75BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	9,12
52,6mm	DFN2.07BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	10,80
60,5mm	DFN2.38BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	12,32
64,5mm	DFN2.54BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	13,36
72,6mm	DFN2.86BK	1,1mm	91,5m	30,5m	15,2m	Black (BK)	14,72
84,8mm	DFN3.34BK	1,1mm	91,5m	15,2m	7,6m	Black (BK)	17,25
93,0mm	DFN3.66BK	1,1mm	91,5m	15,2m	7,6m	Black (BK)	18,23

Nylon® is a registered trademark of DuPont Corporation.

Abrasion Resistance

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

EXTREMELY HIGH

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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	Kgs/100m
				Bulk Spool	Shop Spool		
25,4mm	DWN1.00BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	8,04
38,1mm	DWN1.50BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	10,42
50,8mm	DWN2.00BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	12,20
63,5mm	DWN2.50BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	13,99
76,2mm	DWN3.00BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	16,97
88,9mm	DWN3.50BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	18,75
101,6mm	DWN4.00BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	20,83
114,3mm	DWN4.50BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	22,92
152,4mm	DWN6.00BK	0,7mm	25,4mm	45,7m	7,6m	Black (BK)	28,57
203,2mm	DWN8.00BK	0,7mm	25,4mm	15,2m	7,6m	Black (BK)	37,20

Nylon® is a registered trademark of DuPont Corporation.



Abrasion Resistance						
630	950	2,500	3,500	4,400	*8,500	13,000
HIGH					EXTREMELY HIGH	

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**HEAVY
DUTY**

- **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.



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.

Nominal Size	Part #	Wall Thickness	Standard Put-Ups			Available Colors	Kgs/100m
			Bulk Box	Box A	Box B		
9,5mm	F6H0.38BK	1,5mm	365,7m	45,7m	22,8m	Black BK	4,76
12,7mm	F6H0.50BK	1,5mm	243,8m	30,4m	15,2m	Black BK	5,80
15,9mm	F6H0.63BK	1,5mm	152,4m	30,4m	15,2m	Black BK	6,99
19,1mm	F6H0.75BK	1,5mm	152,4m	30,4m	15,2m	Black BK	7,44
25,4mm	F6H1.00BK	1,5mm	121,9m	22,8m	7,6m	Black BK	9,22
34,9mm	F6H1.38BK	1,5mm	76,2m	22,8m	7,6m	Black BK	11,16

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HEAVY
DUTY

- **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	Kgs/100m
			Bulk Spool	Shop Spool		
12,7mm	DBN0.50BK	1,6mm	30,5m	15,2m	Black (BK)	4,61
15,9mm	DBN0.63BK	1,6mm	30,5m	15,2m	Black (BK)	4,76
19,1mm	DBN0.75BK	1,6mm	30,5m	15,2m	Black (BK)	5,95
22,2mm	DBN0.88BK	1,6mm	30,5m	15,2m	Black (BK)	6,85
25,4mm	DBN1.00BK	1,6mm	30,5m	15,2m	Black (BK)	6,85
31,8mm	DBN1.25BK	1,6mm	30,5m	15,2m	Black (BK)	8,48
38,1mm	DBN1.50BK	1,6mm	30,5m	15,2m	Black (BK)	7,89
55,5mm	DBN2.19BK	1,6mm	30,5m	15,2m	Black (BK)	12,35

1-973-300-9242
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Abrasion Resistance						
630	950	2,500	3,500	4,400	*7,000	13,000
HIGH				EXTREMELY HIGH		

MSHA
Pending.





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	Kgs/100m
			Bulk Spool	Shop Spool		
19,1mm	DPN0.75BK	2,0mm	30,5m	15,2m	Black (BK)	6,59
23,6mm	DPN0.93BK	2,0mm	30,5m	15,2m	Black (BK)	8,20
28,7mm	DPN1.13BK	2,0mm	30,5m	15,2m	Black (BK)	10,64
31,8mm	DPN1.25BK	2,0mm	30,5m	15,2m	Black (BK)	11,07
34,3mm	DPN1.35BK	2,0mm	30,5m	15,2m	Black (BK)	11,94
36,3mm	DPN1.43BK	2,0mm	30,5m	15,2m	Black (BK)	12,38
41,4mm	DPN1.63BK	2,0mm	30,5m	15,2m	Black (BK)	14,18
46,0mm	DPN1.81BK	2,0mm	30,5m	15,2m	Black (BK)	15,94
55,6mm	DPN2.19BK	2,0mm	30,5m	15,2m	Black (BK)	18,32
66,8mm	DPN2.63BK	2,0mm	30,5m	15,2m	Black (BK)	22,07
73,2mm	DPN2.88BK	2,0mm	30,5m	15,2m	Black (BK)	25,75
79,5mm	DPN3.13BK	2,0mm	15,2m	7,6m	Black (BK)	26,85
85,9mm	DPN3.38BK	2,0mm	15,2m	7,6m	Black (BK)	29,93
92,2mm	DPN3.63BK	2,0mm	15,2m	7,6m	Black (BK)	32,14
101,6mm	DPN4.00BK	2,0mm	15,2m	7,6m	Black (BK)	35,00

Nylon® is a registered trademark of DuPont Corporation.



MSHA ISO 6945

Abrasion Resistance

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

EXTREMELY HIGH

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HEAVY
DUTY

- 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	Kgs/100m
				Bulk Spool	Shop Spool		
25,4mm	DWT1.00BK	0,5mm	19,1mm	45,7m	7,6m	Black (BK)	8,93
38,1mm	DWT1.50BK	0,5mm	19,1mm	45,7m	7,6m	Black (BK)	10,71
44,5mm	DWT1.75BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	13,83
50,8mm	DWT2.00BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	15,50
60,3mm	DWT2.38BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	16,52
63,5mm	DWT2.50BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	17,26
76,2mm	DWT3.00BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	20,54
88,9mm	DWT3.50BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	22,81
101,6mm	DWT4.00BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	25,00
152,4mm	DWT6.00BK	0,5mm	38,1mm	45,7m	7,6m	Black (BK)	32,74

CORDURA® is a registered trademark of INVISTA.

Abrasion Resistance

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

EXTREMELY HIGH

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HEAVY
DUTY

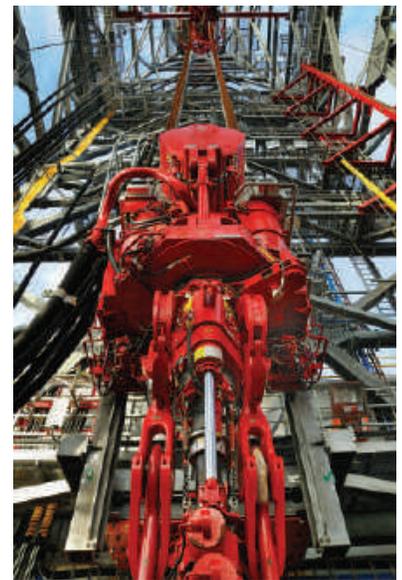


Extreme Heavy Duty Abrasion Sleeve With Easy On, Easy Off Hook & Loop Closure

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	Kgs/100m
				Bulk Spool	Shop Spool		
34,9mm	DWG1.38BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	23,13
44,5mm	DWG1.75BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	25,15
50,8mm	DWG2.00BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	27,71
63,5mm	DWG2.50BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	32,14
76,2mm	DWG3.00BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	37,10
88,9mm	DWG3.50BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	39,78
101,6mm	DWG4.00BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	44,02
114,3mm	DWG4.50BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	49,78
127,8mm	DWG5.00BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	54,78
152,4mm	DWG6.00BK	1,3mm	38,1mm	22,9m	7,6m	Black (BK)	63,02



Abrasion Resistance

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

EXTREMELY HIGH!!!

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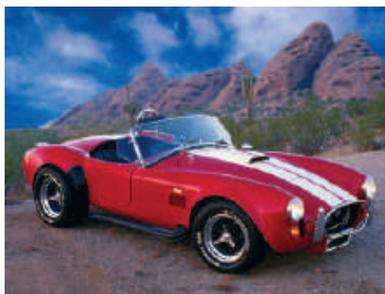


- EMI, RFI, ESD Protection
- Grounding Straps
- Engine Dress-Up
- Complies with CID A-A-59569
- Extreme Blowout Protection
- Expands for Easy Installation
- Cut and Abrasion Resistant

Tinned Copper Sleeve For Shielding, Grounding, And Decoration

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	Kgs/ 100m
						Bulk Spool	Shop Spool		
1,6mm	MBN0.06SV	36	24	2	11	76,2m	30,5m	Silver (SV)	0,59
2,8mm	MBN0.11SV	36	24	4	19	76,2m	30,5m	Silver (SV)	1,19
3,2mm	MBN0.13SV	36	24	5	25	76,2m	30,5m	Silver (SV)	1,93
4,0mm	MBN0.16SV	36	24	10	40	76,2m	30,5m	Silver (SV)	3,13
4,3mm	MBN0.17SV	36	24	7	32	76,2m	30,5m	Silver (SV)	2,00
5,2mm	MBN0.20SV	32	24	5	46	76,2m	30,5m	Silver (SV)	3,72
6,4mm	MBN0.25SV	36	24	16	53	76,2m	30,5m	Silver (SV)	3,27
9,5mm	MBN0.38SV	36	48	8	53	76,2m	30,5m	Silver (SV)	4,91
12,7mm	MBN0.50SV	36	48	11	62	30,5m	15,2m	Silver (SV)	5,21
*15,9mm	MBN0.63SV	34	48	8	64	30,5m	15,2m	Silver (SV)	5,36
19,8mm	MBN0.78SV	36	48	18	88	30,5m	15,2m	Silver (SV)	10,94
22,2mm	MBN0.88SV	30	48	7	100	30,5m	15,2m	Silver (SV)	15,33
25,4mm	MBN1.00SV	30	48	8	120	30,5m	15,2m	Silver (SV)	19,57
28,6mm	MBN1.13SV	30	48	9	130	30,5m	15,2m	Silver (SV)	20,54
*31,8mm	MBN1.25SV	30	48	10	145	30,5m	15,2m	Silver (SV)	24,55
34,9mm	MBN1.38SV	30	48	11	150	30,5m	15,2m	Silver (SV)	25,15
38,1mm	MBN1.50SV	30	48	12	165	30,5m	15,2m	Silver (SV)	27,38
50,8mm	MBN2.00SV	30	48	14	180	30,5m	15,2m	Silver (SV)	33,78
*57,2mm	MBN2.25SV	30	48	16	190	30,5m	15,2m	Silver (SV)	35,12

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



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 Temperature 449°F/232°C**



Nominal Size	Part #	AWG of Ends	Carriers	Wires per Carrier	Current Capacity Amps	Standard Spool Put-Ups		Available Colors	Kgs/100m
						Bulk Spool	Shop Spool		
3,2mm	MFN0.13SV	36	24	3	16	76,2m	30,5m	Silver (SV)	1,04
4,8mm	MFN0.19SV	36	24	5	25	76,2m	30,5m	Silver (SV)	1,64
6,4mm	MFN0.25SV	36	24	10	40	76,2m	30,5m	Silver (SV)	2,98
*9,5mm	MFN0.38SV	36	48	6	40	76,2m	30,5m	Silver (SV)	3,57
15,9mm	MFN0.63SV	36	48	8	53	30,5m	15,2m	Silver (SV)	5,36
19,1mm	MFN0.75SV	36	48	18	88	30,5m	15,2m	Silver (SV)	11,46
*25,4mm	MFN1.00SV	36	48	18	85	30,5m	15,2m	Silver (SV)	11,76
34,9mm	MFN1.38SV	30	48	7	100	30,5m	15,2m	Silver (SV)	17,86
38,1mm	MFN1.50SV	30	48	11	145	30,5m	15,2m	Silver (SV)	27,08
*50,8mm	MFN2.00SV	30	48	28	255	30,5m	15,2m	Silver (SV)	68,60
*76,2mm	MFN3.00SV	30	48	47	390	15,2m	7,6m	Silver (SV)	115,63

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



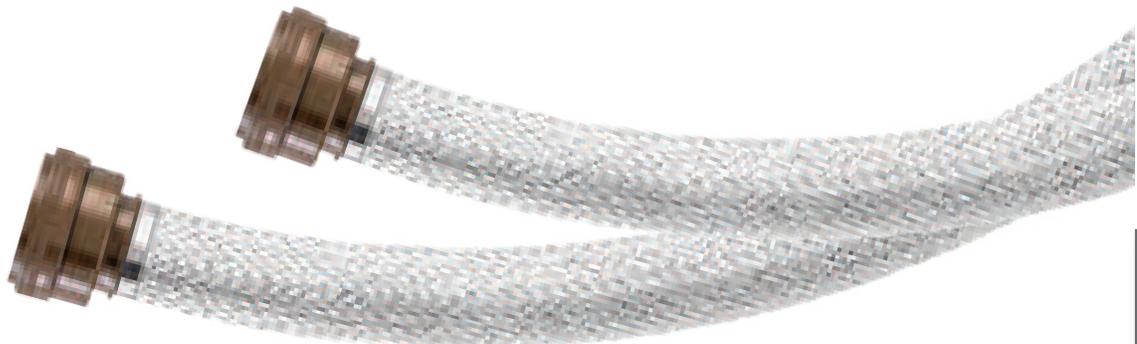
*Not on Spec - CID A-A-59569 (formerly Mil Spec QQB-575).



- 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

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 150°C 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	Kgs/ 100m
						Bulk Spool	Shop Spool		
1,6mm	MBS0.06SV	36	24	2	11	76,2m	30,5m	Silver (SV)	0,59
2,7mm	MBS0.11SV	36	24	4	19	76,2m	30,5m	Silver (SV)	1,19
3,2mm	MBS0.13SV	36	24	5	25	76,2m	30,5m	Silver (SV)	1,48
4,0mm	MBS0.16SV	36	24	10	40	76,2m	30,5m	Silver (SV)	3,12
4,4mm	MBS0.17SV	36	24	7	32	76,2m	30,5m	Silver (SV)	2,00
5,1mm	MBS0.20SV	32	24	5	46	76,2m	30,5m	Silver (SV)	3,72
6,4mm	MBS0.25SV	36	24	16	53	76,2m	30,5m	Silver (SV)	3,27
9,5mm	MBS0.38SV	36	48	8	53	76,2m	30,5m	Silver (SV)	4,91
12,7mm	MBS0.50SV	36	48	11	62	30,5m	15,2m	Silver (SV)	5,20
*15,9mm	MBS0.63SV	34	48	8	64	30,5m	15,2m	Silver (SV)	5,35
19,8mm	MBS0.78SV	36	48	18	88	30,5m	15,2m	Silver (SV)	10,93
22,2mm	MBS0.88SV	30	48	7	100	30,5m	15,2m	Silver (SV)	15,32
25,4mm	MBS1.00SV	30	48	8	120	30,5m	15,2m	Silver (SV)	19,56
28,5mm	MBS1.13SV	30	48	9	130	30,5m	15,2m	Silver (SV)	20,53
31,8mm	MBS1.25SV	30	48	10	145	30,5m	15,2m	Silver (SV)	24,55
34,9mm	MBS1.38SV	30	48	11	150	30,5m	15,2m	Silver (SV)	25,14
38,1mm	MBS1.50SV	30	48	12	165	30,5m	15,2m	Silver (SV)	27,38
50,8mm	MBS2.00SV	30	48	14	180	30,5m	15,2m	Silver (SV)	33,78
*57,2mm	MBS2.25SV	30	48	16	190	30,5m	15,2m	Silver (SV)	35,12

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

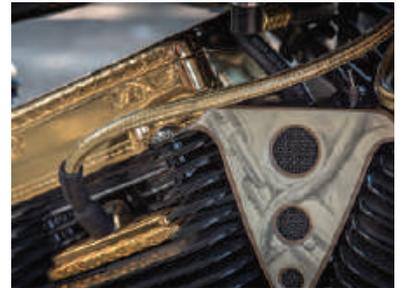


Flexo Brass Beauty

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.



Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	MBB0.13BRS	0,3mm	3,2mm	6,4mm	76,2m	7,6m	Brass (BRS)	1,34
6,4mm	MBB0.25BRS	0,3mm	6,4mm	9,5mm	30,5m	7,6m	Brass (BRS)	4,46
9,5mm	MBB0.38BRS	0,3mm	9,5mm	19,1mm	30,5m	7,6m	Brass (BRS)	4,46
12,7mm	MBB0.50BRS	0,3mm	12,7mm	25,4mm	30,5m	7,6m	Brass (BRS)	6,25

Bare Copper Braid for A Wide Variety Of Applications

Techflex high purity 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. Techflex 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	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	MBC0.13CP	0,3mm	3,2mm	6,4mm	76,2m	7,6m	Copper (CP)	1,34
6,4mm	MBC0.25CP	0,3mm	6,4mm	9,5mm	30,5m	7,6m	Copper (CP)	4,46
9,5mm	MBC0.38CP	0,3mm	9,5mm	19,1mm	30,5m	7,6m	Copper (CP)	4,61
12,7mm	MBC0.50CP	0,3mm	12,7mm	25,4mm	30,5m	7,6m	Copper (CP)	6,10





- **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	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
12,7mm	SSN0.50SV	0,6mm	6,4mm	15,9mm	30,5m	7,6m	Silver (SV)	5,95
15,9mm	SSN0.63SV	0,6mm	9,5mm	19,1mm	30,5m	7,6m	Silver (SV)	7,44
19,1mm	SSN0.75SV	0,6mm	12,7mm	25,4mm	30,5m	7,6m	Silver (SV)	7,44
25,4mm	SSN1.00SV	0,6mm	19,1mm	31,8mm	30,5m	7,6m	Silver (SV)	16,37
31,8mm	SSN1.25SV	0,9mm	25,4mm	38,1mm	30,5m	7,6m	Silver (SV)	28,28
44,5mm	SSN1.75SV	1,0mm	38,1mm	57,2mm	30,5m	7,6m	Silver (SV)	46,13



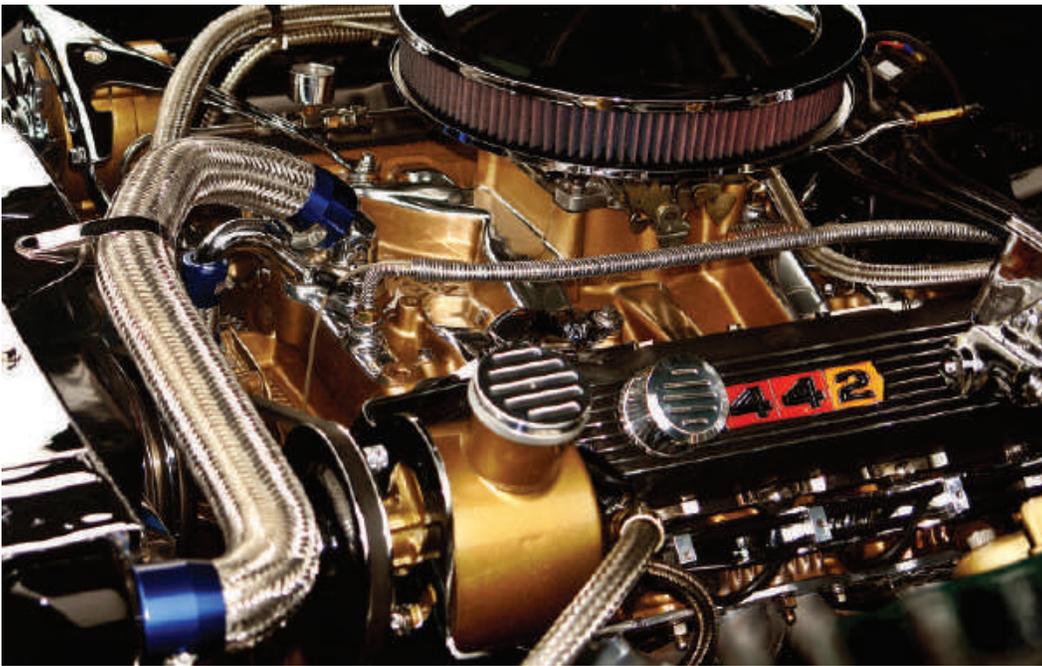


Braided Stainless Steel XC, Full Coverage On Any Application

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	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	SSL0.13SV	0,3mm	1,6mm	8,7mm	76,2m	30,5m	Silver (SV)	1,79
6,4mm	SSL0.25SV	0,3mm	4,8mm	10,3mm	76,2m	30,5m	Silver (SV)	3,27
9,5mm	SSL0.38SV	0,3mm	6,4mm	15,9mm	76,2m	30,5m	Silver (SV)	3,78
12,7mm	SSL0.50SV	0,3mm	9,5mm	19,1mm	30,5m	15,2m	Silver (SV)	4,69
19,1mm	SSL0.75SV	0,3mm	12,7mm	31,8mm	30,5m	15,2m	Silver (SV)	10,27
25,4mm	SSL1.00SV	0,6mm	15,9mm	33,3mm	30,5m	15,2m	Silver (SV)	14,55
31,8mm	SSL1.25SV	0,6mm	19,1mm	44,5mm	30,5m	15,2m	Silver (SV)	20,39
38,1mm	SSL1.50SV	0,6mm	25,4mm	54,0mm	30,5m	15,2m	Silver (SV)	24,70



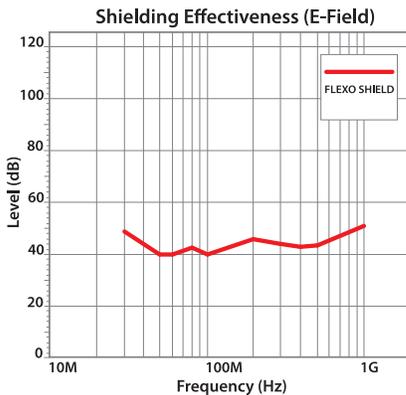


- **Excellent EMI Shielding (1 MHz to 1 GHz)**
- **Flame Retardant**
- **Easy to Install**
- **Cut and Abrasion Resistant**
- **Extremely Flexible and Lightweight**
- **Temperature Range -40°F to 302°F**
- **Cuts Easily with Scissors**

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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
*3,2mm	FSN0.13SV	1,6mm	6,4mm	100,0m	50,0m	Silver (SV)	1,10
*9,5mm	FSN0.38SV	6,4mm	12,7mm	100,0m	50,0m	Silver (SV)	2,05
*12,7mm	FSN0.50SV	9,5mm	19,1mm	100,0m	50,0m	Silver (SV)	3,11
*19,1mm	FSN0.75SV	12,7mm	25,4mm	100,0m	50,0m	Silver (SV)	4,17
25,4mm	FSN1.00SV	19,1mm	31,8mm	100,0m	50,0m	Silver (SV)	4,32
31,8mm	FSN1.25SV	25,4mm	38,1mm	100,0m	50,0m	Silver (SV)	5,06
38,1mm	FSN1.50SV	31,8mm	44,5mm	100,0m	50,0m	Silver (SV)	5,80

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



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	CNN0.13BK	2,4mm	6,4mm	304,8m	68,6m	Black (BK)	0,52
6,4mm	CNN0.25BK	3,2mm	11,1mm	304,8m	61,0m	Black (BK)	0,60
9,5mm	CNN0.38BK	4,8mm	15,9mm	152,4m	38,1m	Black (BK)	0,89
12,7mm	CNN0.50BK	6,4mm	19,1mm	152,4m	30,5m	Black (BK)	1,01
15,9mm	CNN0.63BK	9,5mm	25,4mm	152,4m	30,5m	Black (BK)	1,43
19,1mm	CNN0.75BK	12,7mm	31,8mm	76,2m	22,9m	Black (BK)	1,49
25,4mm	CNN1.00BK	15,9mm	41,3mm	76,2m	19,8m	Black (BK)	1,79
31,8mm	CNN1.25BK	19,1mm	44,5mm	76,2m	15,2m	Black (BK)	2,46
38,1mm	CNN1.50BK	25,4mm	63,5mm	61,0m	12,2m	Black (BK)	3,27



Nylon® is a registered trademark of DuPont Corporation.



1-973-300-9242
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Clean Cut FR, Scissor Cut For Field Installation, Will Not Support Combustion

- **DIN EN 45545-2 Certified**
- **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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	CCF0.13	3,2mm	6,4mm	304,8m	30,5m	TW & TB	0,60
6,4mm	CCF0.25	4,0mm	11,1mm	304,8m	30,5m	TW & TB	0,68
9,5mm	CCF0.38	4,8mm	15,9mm	152,4m	30,5m	TW & TB	1,10
12,7mm	CCF0.50	6,4mm	19,1mm	152,4m	30,5m	TW & TB	1,22
19,1mm	CCF0.75	15,9mm	25,4mm	76,2m	22,9m	TW & TB	1,65
25,4mm	CCF1.00	19,1mm	30,2mm	76,2m	15,2m	TW & TB	1,85
31,8mm	CCF1.25	25,4mm	38,1mm	76,2m	15,2m	TW & TB	2,32
38,1mm	CCF1.50	31,8mm	50,8mm	76,2m	15,2m	TW & TB	2,75



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.



- **DIN EN 45545-2 Certified**
- **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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	FRN0.13	2,4mm	6,4mm	304,8m	68,6m	BK,TW,GW,TB,YS,OS,SP	0,24
6,4mm	FRN0.25	3,2mm	11,1mm	304,8m	61,0m	BK,TW,GW,TB,YS,OS,SP	0,36
7,9mm	FRN0.31	3,9mm	11,9mm	152,4m	45,7m	BK,TW,GW,TB,YS,OS,SP	0,74
9,5mm	FRN0.38	4,8mm	12,7mm	152,4m	38,1m	BK,TW,GW,TB,YS,OS,SP	0,85
11,1mm	FRN0.44	11,1mm	15,8mm	152,4m	38,1m	BK,TW,GW,TB,YS,OS,SP	1,01
12,7mm	FRN0.50	6,4mm	19,1mm	152,4m	30,5m	BK,TW,GW,TB,YS,OS,SP	1,07
14,2mm	FRN0.56	7,9mm	22,2mm	152,4m	30,5m	BK,TW,GW,TB,YS,OS,SP	1,20
19,1mm	FRN0.75	12,7mm	31,8mm	76,2m	22,9m	BK,TW,GW,TB,YS,OS,SP	1,59
25,4mm	FRN1.00	15,9mm	41,3mm	76,2m	19,8m	BK,TW,GW,TB,YS,OS,SP	1,99
31,8mm	FRN1.25	19,1mm	44,5mm	76,2m	15,2m	BK,TW,GW,TB,YS,OS,SP	2,31
38,1mm	FRN1.50	25,4mm	54,0mm	61,0m	12,2m	BK,TW,GW,TB,YS,OS,SP	2,91
44,5mm	FRN1.75	31,8mm	69,9mm	61,0m	9,1m	BK,TW,GW,TB,YS,OS,SP	4,02
50,8mm	FRN2.00	38,1mm	88,9mm	61,0m	15,2m	BK,TW,GW,TB,YS,OS,SP	4,91
63,5mm	FRN2.50	44,5mm	92,1mm	61,0m	15,2m	BK,TW,GW,TB,YS,OS,SP	5,66
76,2mm	FRN3.00	63,5mm	120,7mm	30,5m	15,2m	BK,TW,GW,TB,YS,OS,SP	5,95
3 End Construction							
6,4mm	FR30.25TB	3,2mm	9,5mm	304,8m	61,0m	TB, GW, & TW	0,58





- **DIN EN 45545-2 Certified**
- **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**

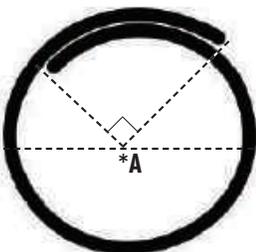
Woven, Flame Retardant Split Tubular Harness Wrap

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	Kgs/100m
			Bulk Box	Box A	Box B			
4,8mm	F6V0.19TB	0,7mm	914,6m	152,4m	30,5m	Black w/White Tracer (TB)	51%	1,19
9,5mm	F6V0.38TB	0,7mm	609,8m	76,2m	30,5m	Black w/White Tracer (TB)	41%	1,79
12,7mm	F6V0.50TB	0,7mm	457,3m	61,0m	22,9m	Black w/White Tracer (TB)	35%	2,38
19,1mm	F6V0.75TB	0,7mm	304,8m	45,7m	15,2m	Black w/White Tracer (TB)	28%	3,72
25,4mm	F6V1.00TB	0,7mm	140,2m	30,5m	15,2m	Black w/White Tracer (TB)	26%	4,76
31,8mm	F6V1.25TB	0,7mm	100,6m	22,9m	7,6m	Black w/White Tracer (TB)	25%	5,51
38,1mm	F6V1.50TB	0,7mm	79,3m	15,2m	7,6m	Black w/White Tracer (TB)	23%	7,14

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Flexible, Semi-Rigid Split Sleeving Will Not Support Combustion

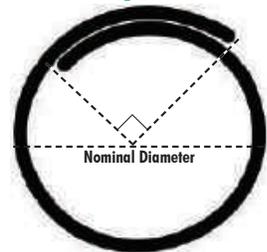
Flame spread is a vital safety consideration in applications as diverse as home built aircraft wiring and safely managing sound & lighting cables at clubs, concerts, and theaters. To address these issues, and to provide unequalled flexibility and access, we have developed this unique sleeving product.

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.



- **DIN EN 45545-2 Certified**
- **VW-1, FAR 25**
- **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.



Accepted for use by major aircraft manufacturers.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups			Available Colors	Kgs/100m
			Bulk Box	Box A	Box B		
3,2mm	F6F0.13TB	0,6mm	3.049m	122,0m	30,5m	Black w/White Tracer (TB)	0,70
6,4mm	F6F0.25TB	0,6mm	914,6m	61,0m	30,5m	Black w/White Tracer (TB)	0,89
9,5mm	F6F0.38TB	0,6mm	365,9m	45,7m	22,9m	Black w/White Tracer (TB)	1,79
12,7mm	F6F0.50TB	0,6mm	243,9m	45,7m	22,9m	Black w/White Tracer (TB)	2,08
19,1mm	F6F0.75TB	0,6mm	152,4m	30,5m	15,2m	Black w/White Tracer (TB)	2,31
25,4mm	F6F1.00TB	1,0mm	122,0m	30,5m	15,2m	Black w/White Tracer (TB)	2,98
31,8mm	F6F1.25TB	1,0mm	76,2m	22,9m	7,6m	Black w/White Tracer (TB)	3,57
38,1mm	F6F1.50TB	1,0mm	61,0m	22,9m	7,6m	Black w/White Tracer (TB)	4,02
50,8mm	F6F2.00TB	1,0mm	61,0m	15,2m	7,6m	Black w/White Tracer (TB)	5,36





- **VW-1, Mil-202, Approved**
- **Economical and Easy to Install**
- **Cut and Abrasion Resistant**
- **Hook and Loop Closure For Easy and 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	Kgs/100m
			Bulk Spool	Shop Spool		
12,7mm	FWF0.50TB	6,4mm	30,5m	6,1m	Black w/White Tracer (TB)	1,93
19,1mm	FWF0.75TB	15,9mm	30,5m	4,6m	Black w/White Tracer (TB)	2,68
31,8mm	FWF1.25TB	15,9mm	30,5m	3,7m	Black w/White Tracer (TB)	3,42
50,8mm	FWF2.00TB	15,9mm	30,5m	3,0m	Black w/White Tracer (TB)	4,76
63,5mm	FXF2.50TB	15,9mm	30,5m	3,0m	Black w/White Tracer (TB)	5,58

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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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	F9T0.13TB	1,6mm	5,6mm	304,8m	68,6m	TW & TB	0,40
6,4mm	F9T0.25TB	3,6mm	10,3mm	304,8m	61,0m	TW & TB	0,48
7,9mm	F9T0.31TB	4,8mm	11,1mm	152,4m	38,1m	TW & TB	0,71
12,7mm	F9T0.50TB	7,1mm	15,9mm	152,4m	30,5m	TW & TB	0,89
14,3mm	F9T0.56TB	9,5mm	15,9mm	152,4m	30,5m	TW & TB	0,94
19,1mm	F9T0.75TB	12,7mm	25,4mm	152,4m	22,9m	TW & TB	1,44
25,4mm	F9T1.00TB	15,9mm	31,8mm	76,2m	19,8m	TW & TB	1,88
31,8mm	F9T1.25TB	19,1mm	44,5mm	76,2m	15,2m	TW & TB	3,02
38,1mm	F9T1.50TB	25,4mm	47,6mm	76,2m	12,2m	TW & TB	3,45
44,5mm	F9T1.75TB	33,3mm	55,5mm	76,2m	9,1m	TW & TB	3,88
50,8mm	F9T2.00TB	36,5mm	60,3mm	61,0m	15,2m	TW & TB	4,49
57,2mm	F9T2.25TB	44,5mm	68,3mm	61,0m	15,2m	TW & TB	4,52
63,5mm	F9T2.50TB	47,6mm	76,2mm	61,0m	15,2m	TW & TB	5,49





- 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



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.

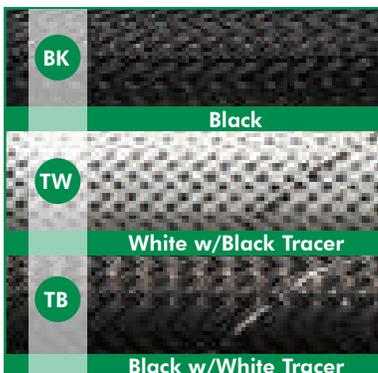
Very Low Outgassing, Self-Extinguishing UL-2024 Plenum Rated Sleeving

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.



UL 2024 supersedes UL 910 standard for Cable Management products.



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	HTN0.13	2,4mm	6,4mm	304,8m	68,6m	TW & TB	0,37
6,4mm	HTN0.25	3,2mm	11,1mm	304,8m	61,0m	TW & TB	0,57
9,5mm	HTN0.38	4,8mm	15,9mm	152,4m	38,1m	TW & TB	1,28
12,7mm	HTN0.50	6,4mm	19,1mm	152,4m	30,5m	TW & TB	1,64
19,1mm	HTN0.75	12,7mm	31,8mm	76,2m	22,9m	TW & TB	2,53
25,4mm	HTN1.00	15,9mm	41,3mm	76,2m	19,8m	TW & TB	3,27
31,8mm	HTN1.25	19,1mm	44,5mm	76,2m	15,2m	TW & TB	3,87
44,5mm	HTN1.75	31,8mm	69,9mm	61,0m	9,1m	TW & TB	6,55
50,8mm	HTN2.00	38,1mm	88,9mm	61,0m	15,2m	TW & TB	6,85

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



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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**

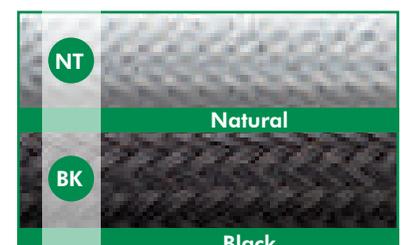


Cabling in passenger area plenums aboard aircraft are a perfect application for Flexo PFA's low outgassing properties.



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

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	TFN0.13	2,4mm	6,4mm	304,8m	68,6m	NT & BK	0,74
6,4mm	TFN0.25	4,8mm	9,5mm	304,8m	61,0m	NT & BK	1,01
9,5mm	TFN0.38	6,4mm	19,1mm	152,4m	38,1m	NT & BK	3,27
12,7mm	TFN0.50	9,5mm	22,2mm	152,4m	30,5m	NT & BK	3,87
19,1mm	TFN0.75	15,9mm	31,8mm	76,2m	22,9m	NT & BK	4,32
31,8mm	TFN1.25	28,6mm	38,1mm	61,0m	15,2m	NT & BK	7,14
44,5mm	TFN1.75	34,9mm	44,5mm	61,0m	15,2m	NT & BK	8,18
50,8mm	TFN2.00	42,9mm	54,0mm	61,0m	7,6m	NT & BK	9,52





- 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

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

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.

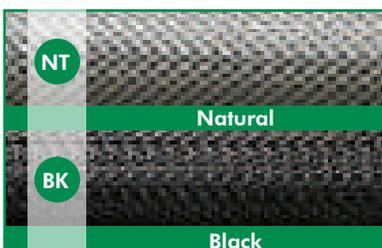
Flexo PPS is braided from 8 mil flame resistant PolyPhenylene Sulfide (PPS) monofilament fibers. Flexo PPS offers the broadest resistance to chemicals of any advanced engineering plastic. The material resists all known solvents below 392°F and is inert to steam, strong bases, fuels, and acids.



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	RYN0.13	2,4mm	6,4mm	304,8m	68,6m	NT & BK	0,31
6,4mm	RYN0.25	3,2mm	9,5mm	304,8m	61,0m	NT & BK	0,54
12,7mm	RYN0.50	6,4mm	19,1mm	152,4m	30,5m	NT & BK	0,88
19,1mm	RYN0.75	12,7mm	31,8mm	76,2m	22,9m	NT & BK	1,12
31,8mm	RYN1.25	19,1mm	44,5mm	76,2m	15,2m	NT & BK	1,93
44,5mm	RYN1.75	31,8mm	63,5mm	61,0m	15,2m	NT & BK	2,38
50,8mm	RYN2.00	33,3mm	60,3mm	61,0m	15,2m	NT & BK	2,98
10 Mil Construction							
3,2mm	RZH0.13NT	3,2mm	7,1mm	304,8m	68,6m	Natural (NT)	0,39





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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	PKN0.13BK	1,6mm	7,9mm	304,8m	68,6m	Black (BK)	0,24
6,4mm	PKN0.25BK	2,8mm	14,3mm	304,8m	61,0m	Black (BK)	0,28
9,5mm	PKN0.38BK	4,0mm	15,9mm	152,4m	38,1m	Black (BK)	0,46
12,7mm	PKN0.50BK	4,8mm	23,8mm	152,4m	30,5m	Black (BK)	0,65
15,9mm	PKN0.63BK	6,4mm	31,8mm	152,4m	30,5m	Black (BK)	0,76
19,1mm	PKN0.75BK	9,5mm	34,9mm	76,2m	22,9m	Black (BK)	0,95

Contact your account representative for additional size information.



PEEK® is a registered trademark of the Victrex Corporation.

UL94 V-0



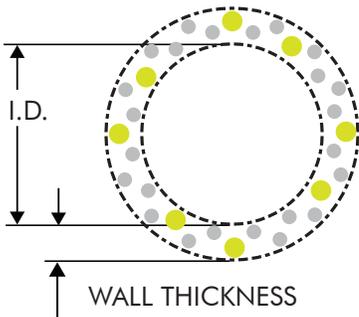
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The Future of Flame Resistant Sleeving is Here

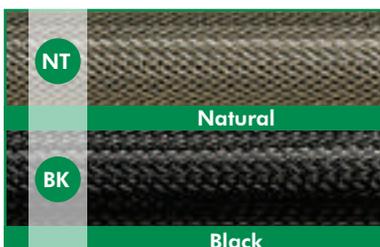
- **High Chemical & Insoluble Resistance in Common Solvents**
- **Very Light Weight**
- **Excellent Strength in High Temperature & Harsh Environments**
- **Low Outgassing**
- **V-O Flammability Rating**
- **Non-Corrosive and Non-Conductive**

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-Keystone (PEEK) polymer making it one of the most advanced flame resistant 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	Kgs/100m
		Min.	Max.				
3,2mm	PKRY0.13	2,4mm	6,4mm	304,9m	68,6m	NT & BK	0,16
6,4mm	PKRY0.25	3,2mm	9,5mm	304,9m	61,0m	NT & BK	0,43
9,5mm	PKRY0.38	4,8mm	19,1mm	152,4m	38,1m	NT & BK	0,63
12,7mm	PKRY0.50	6,4mm	22,2mm	152,4m	30,5m	NT & BK	0,84
19,1mm	PKRY0.75	12,7mm	34,9mm	76,2m	22,9m	NT & BK	1,35
31,8mm	PKRY1.25	15,9mm	44,5mm	76,2m	15,2m	NT & BK	1,81
44,5mm	PKRY1.75	19,1mm	57,2mm	76,2m	15,2m	NT & BK	3,16
50,8mm	PKRY2.00	38,1mm	57,2mm	61,0m	15,2m	NT & BK	
63,5mm	PKRY2.50	47,6mm	76,2mm	61,0m	15,2m	NT & BK	4,25





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 stable, 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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	UFR0.25TB	3,2mm	11,1mm	304,9m	61,0m	Black w/White Tracer (TB)	0,38
9,5mm	UFR0.38TB	6,4mm	15,9mm	152,4m	38,1m	Black w/White Tracer (TB)	0,84
12,7mm	UFR0.50TB	9,5mm	23,8mm	152,4m	30,5m	Black w/White Tracer (TB)	1,07
19,1mm	UFR0.75TB	12,7mm	31,8mm	76,2m	22,9m	Black w/White Tracer (TB)	1,59
25,4mm	UFR1.00TB	15,9mm	44,5mm	76,2m	19,8m	Black w/White Tracer (TB)	1,99
31,8mm	UFR1.25TB	19,1mm	47,6mm	76,2m	15,2m	Black w/White Tracer (TB)	2,38
10 End Construction							
6,4mm	UFR30.25TB	3.2mm	19,1mm	304,9m	61,0m	Black w/White Tracer (TB)	0,58





- **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.



Proven in the air...
...Proven on the ground



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	NXN0.13	1,6mm	6,4mm	30,5m	7,6m	NT & GN	0,18
6,4mm	NXN0.25	3,2mm	7,9mm	30,5m	7,6m	NT & GN	0,74
7,9mm	NXN0.31	5,6mm	11,1mm	30,5m	7,6m	NT & GN	0,89
9,5mm	NXN0.38	6,4mm	12,7mm	30,5m	7,6m	NT & GN	1,00
12,7mm	NXN0.50	7,9mm	15,9mm	30,5m	7,6m	NT & GN	1,35
15,9mm	NXN0.63	11,1mm	22,2mm	30,5m	7,6m	NT & GN	1,64
19,1mm	NXN0.75	14,3mm	25,4mm	30,5m	7,6m	NT & GN	2,00
25,4mm	NXN1.00	19,1mm	28,6mm	30,5m	7,6m	NT & GN	3,60
31,8mm	NXN1.25	25,4mm	38,1mm	30,5m	7,6m	NT & GN	5,19
38,1mm	NXN1.50	31,8mm	44,5mm	30,5m	7,6m	NT & GN	6,00
44,5mm	NXN1.75	38,1mm	50,8mm	30,5m	7,6m	NT & GN	7,08

Nomex® is a registered trademark of DuPont Corporation.



- 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 Yellow.



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.



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

**Premium
Flexo
Aramid
Shears
KVS0.00SV**
(See pg. 99)



Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	KVX0.25YL	6,4mm	9,5mm	152,4m	15,2m	Yellow (YL)	2,51
12,7mm	KVX0.50YL	12,7mm	25,4mm	76,2m	15,2m	Yellow (YL)	4,79
25,4mm	KVX1.00YL	25,4mm	44,5mm	61,0m	7,6m	Yellow (YL)	7,08
31,8mm	KVX1.25YL	31,8mm	50,8mm	38,1m	7,6m	Yellow (YL)	8,75

*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.

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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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	KVNO.25YL	3,2mm	7,9mm	152,4m	15,2m	Yellow (YL)	0,45
12,7mm	KVNO.50YL	6,4mm	15,9mm	76,2m	15,2m	Yellow (YL)	1,19
19,1mm	KVNO.75YL	12,7mm	22,2mm	76,2m	15,2m	Yellow (YL)	1,79
25,4mm	KVN1.00YL	19,1mm	31,8mm	61,0m	7,6m	Yellow (YL)	2,86
31,8mm	KVN1.25YL	25,4mm	41,3mm	38,1m	7,6m	Yellow (YL)	3,57
38,1mm	KVN1.50YL	31,8mm	50,8mm	30,5m	7,6m	Yellow (YL)	4,32
50,8mm	KVN2.00YL	44,5mm	63,5mm	30,5m	7,6m	Yellow (YL)	5,36

*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.



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

Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	VENO.13NT	0,6mm	2,8mm	3,6mm	152,4m	30,5m	Natural (NT)	0,54
6,4mm	VENO.25NT	0,6mm	5,2mm	7,5mm	152,4m	30,5m	Natural (NT)	1,07



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

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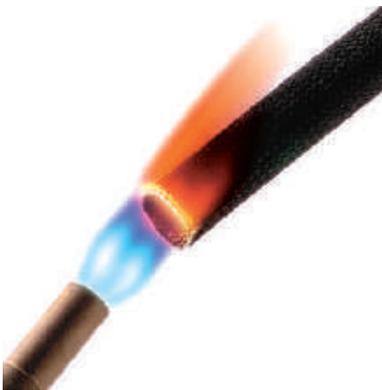
- **Resin Saturated, Heavy Weight Braided Fiberglass Won't Burn, Melt, or Become Brittle**
- **Minimal Dusting When Cut & Handled**
- **Cut and Abrasion Resistant**
- **Easy to Install - Cuts with Scissors**
- **Resists Gasoline and Engine Chemicals**

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	Kgs/100m
				Bulk Spool	Shop Spool		
6,4mm	FGN0.25	9,5mm	0,8mm	61,0m	15,2m	SV & BK	2,98
9,5mm	FGN0.38	15,9mm	1,1mm	61,0m	15,2m	SV & BK	4,91
12,7mm	FGN0.50	19,1mm	1,2mm	61,0m	15,2m	SV & BK	7,14
15,9mm	FGN0.63	22,2mm	1,2mm	61,0m	15,2m	SV & BK	7,89
19,1mm	FGN0.75	28,6mm	1,2mm	61,0m	15,2m	SV & BK	9,52
22,2mm	FGN0.88	31,8mm	1,2mm	61,0m	15,2m	SV & BK	12,95
25,4mm	FGN1.00	41,3mm	1,4mm	30,5m	7,6m	SV & BK	15,63
38,1mm	FGN1.50	66,7mm	1,5mm	30,5m	7,6m	SV & BK	23,81
63,5mm	FGN2.50	104,8mm	1,8mm	30,5m	7,6m	SV & BK	29,32

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**

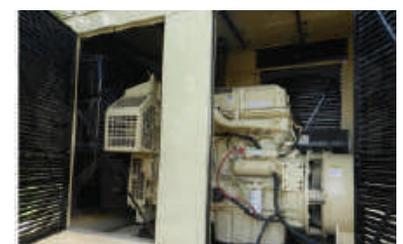


Integrated ribs on our Insultherm HD provide a built in buffer from heat and abrasion.



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	Kgs/100m
				Bulk Spool	Shop Spool		
12,7mm	FGS0.50BK	22,2mm	1,3mm	61,0m	15,2m	Black (BK)	10,86
19,1mm	FGS0.75BK	69,9mm	1,5mm	61,0m	15,2m	Black (BK)	20,24
25,4mm	FGS1.00BK	63,5mm	1,9mm	61,0m	15,2m	Black (BK)	25,30
31,8mm	FGS1.25BK	85,7mm	1,8mm	30,5m	7,6m	Black (BK)	32,29
34,9mm	FGS1.38BK	111,1mm	1,8mm	30,5m	7,6m	Black (BK)	35,72
38,1mm	FGS1.50BK	136,5mm	2,3mm	30,5m	7,6m	Black (BK)	41,37



- **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**

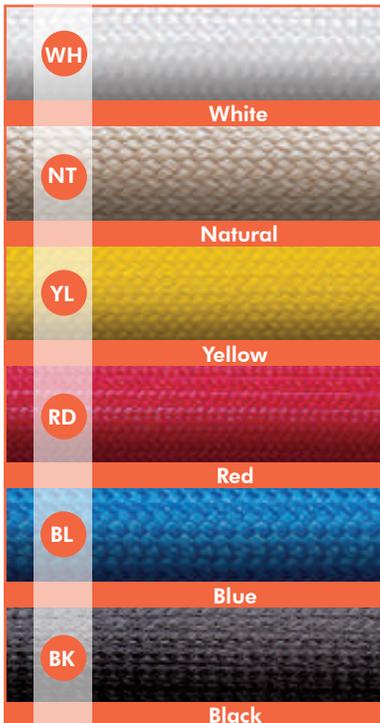
Heat Treated, Fray-Resistant Fiberglass Sleeving

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	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
24	0,6mm	FGLG.24	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,11
22	0,7mm	FGLG.22	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,17
20	0,9mm	FGLG.20	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,17
18	1,1mm	FGLG.18	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,17
16	1,3mm	FGLG.16	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,24
14	1,7mm	FGLG.14	0,2mm	152,4m	76,2m	WH,NT,YL,RD,BL,BK	0,41
12	2,2mm	FGLG.12	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,44
11	2,4mm	FGLG.11	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,57
10	2,7mm	FGLG.10	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,51
9	3,0mm	FGLG.09	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,57
8	3,4mm	FGLG.08	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,44
7	3,8mm	FGLG.07	0,2mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,71
6	4,2mm	FGLG.06	0,3mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,71
5	4,7mm	FGLG.05	0,3mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,79
4	5,3mm	FGLG.04	0,3mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	0,94
3	5,9mm	FGLG.03	0,3mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	1,26
2	6,7mm	FGLG.02	0,3mm	76,2m	30,5m	WH,NT,YL,RD,BL,BK	1,51
1	7,5mm	FGLG.01	0,3mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	1,75
0	8,4mm	FGLG.00	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	2,64
9,5mm	9,5mm	FGL0.38	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	2,66
11,1mm	11,1mm	FGL0.44	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	3,03
12,7mm	12,7mm	FGL0.50	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	3,39
15,9mm	15,9mm	FGL0.63	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	3,80
19,1mm	19,1mm	FGL0.75	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	6,19
25,4mm	25,4mm	FGL1.00	0,4mm	30,5m	15,2m	WH,NT,YL,RD,BL,BK	9,09

Braided Fiberglass Protects Up To 1,200°F

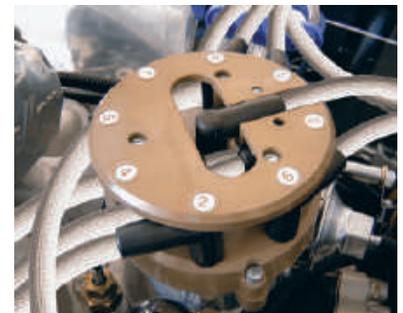
INSULTHERM ULTRAFLEX (FHN) fiberglass sleeving is ideal for the protection of wires and hoses exposed to the heat generated from high performance engine and exhaust components.

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. Ultraflex expands slightly, allowing it to slide easily over wires and follow curves and contours without binding.

Ultraflex 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	Kgs/100m
				Bulk Spool	Shop Spool		
24	24	FHNG.24NT	0,1mm	152,4m	76,2m	Natural (NT)	0,11
22	22	FHNG.22NT	0,1mm	152,4m	76,2m	Natural (NT)	0,17
20	20	FHNG.20NT	0,2mm	152,4m	76,2m	Natural (NT)	0,17
18	18	FHNG.18NT	0,3mm	152,4m	76,2m	Natural (NT)	0,17
17	17	FHNG.17NT	0,3mm	152,4m	76,2m	Natural (NT)	0,17
16	16	FHNG.16NT	0,3mm	152,4m	76,2m	Natural (NT)	0,24
14	14	FHNG.14NT	0,3mm	152,4m	76,2m	Natural (NT)	0,41
13	13	FHNG.13NT	0,3mm	152,4m	76,2m	Natural (NT)	0,41
12	12	FHNG.12NT	0,3mm	76,2m	30,5m	Natural (NT)	0,44
11	11	FHNG.11NT	0,3mm	76,2m	30,5m	Natural (NT)	0,57
10	10	FHNG.10NT	0,3mm	76,2m	30,5m	Natural (NT)	0,51
9	9	FHNG.09NT	0,3mm	76,2m	30,5m	Natural (NT)	0,57
8	8	FHNG.08NT	0,3mm	76,2m	30,5m	Natural (NT)	0,44
7	7	FHNG.07NT	0,3mm	76,2m	30,5m	Natural (NT)	0,71
6	6	FHNG.06NT	0,3mm	76,2m	30,5m	Natural (NT)	0,71
5	5	FHNG.05NT	0,3mm	76,2m	30,5m	Natural (NT)	0,79
4	4	FHNG.04NT	0,4mm	76,2m	30,5m	Natural (NT)	0,94
3	3	FHNG.03NT	0,4mm	76,2m	30,5m	Natural (NT)	1,26
2	2	FHNG.02NT	0,4mm	76,2m	30,5m	Natural (NT)	1,51
1	1	FHNG.01NT	0,4mm	30,5m	15,2m	Natural (NT)	1,75
0	0	FHNG.00NT	0,4mm	30,5m	15,2m	Natural (NT)	2,64
6,4mm	6,4mm	FHNO.25NT	0,3mm	30,5m	15,2m	Natural (NT)	0,96
7,9mm	7,9mm	FHNO.31NT	0,4mm	30,5m	15,2m	Natural (NT)	1,48
9,5mm	9,5mm	FHNO.38NT	0,3mm	30,5m	15,2m	Natural (NT)	2,66
11,1mm	11,1mm	FHNO.44NT	0,5mm	30,5m	15,2m	Natural (NT)	3,03
12,7mm	12,7mm	FHNO.50NT	0,3mm	30,5m	15,2m	Natural (NT)	3,39
15,9mm	15,9mm	FHNO.63NT	0,6mm	30,5m	15,2m	Natural (NT)	3,80
19,1mm	19,1mm	FHNO.75NT	0,6mm	30,5m	15,2m	Natural (NT)	6,19
25,4mm	25,4mm	FHNT.00NT	0,6mm	30,5m	15,2m	Natural (NT)	9,09



Insultherm Ultraflex is a highly flexible heat protection sleeving with no added coatings or binders.

- 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



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



With ring



See pg. 105 for the custom kits.



Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Available Colors
No Ring-Easy Install					
114,3mm	FBN0.75	19,1mm	2,2mm	144	NT in-stock color; all other available by special order only.
190,5mm	FCN0.75	19,1mm	2,2mm	144	NT, BL, BK, RD
304,8mm	FDN0.75	19,1mm	2,2mm	144	NT, BL, BK, RD
With Ring					
190,5mm	FCU0.75	19,1mm	2,2mm	144	NT, BL, BK, RD

EXTREME
TEMPERATURE



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 spark 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.



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

Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Available Colors
No Ring-Easy Install					
190,5mm	SCN0.75NT	19,1mm	2,2mm	24	Natural (NT)



Heavy Wall Fiberglass Protects Up To 1,200°F

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



Insultherm Ultraflex Pro expands up to 50% for easy installation

Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
12,7mm	FHH0.50NT	0,6mm	9,5mm	15,9mm	30,5m	15,2m	Natural (NT)	5,21
19,1mm	FHH0.75NT	1,0mm	15,9mm	29,4mm	30,5m	15,2m	Natural (NT)	11,91
25,4mm	FHH1.00NT	0,8mm	22,2mm	34,9mm	15,2m	7,6m	Natural (NT)	10,42
31,8mm	FHH1.25NT	0,9mm	25,4mm	44,5mm	15,2m	7,6m	Natural (NT)	15,63
38,1mm	FHH1.50NT	0,9mm	28,6mm	54,0mm	15,2m	7,6m	Natural (NT)	14,88



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EXTREME
TEMPERATURE

- 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.

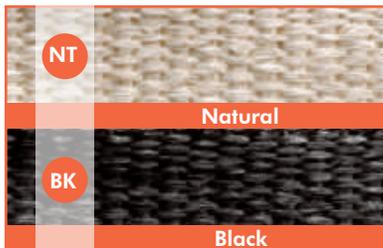
Wall Thickness	Widths	Part #	Maximum Continuous Temperature	Standard Spool Put-Ups			Available Colors	Kgs/100m
				Bulk Spool 1	Bulk Spool 2	Bulk Spool 3		
1,6mm	25,4mm	HFN1.00	538°C	30,5m	15,2m	7,6m	NT & BK	2,23
1,6mm	50,8mm	HFN2.00		30,5m	15,2m	7,6m	NT & BK	4,54

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.



- 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	Kgs/100m
				Bulk Spool 1	Bulk Spool 2	Bulk Spool 3		
1,6mm	25,4mm	HSN1.00NT	1.093°C	30,5m	15,2m	7,6m	Natural (NT)	2,23
1,6mm	50,8mm	HSN2.00NT		30,5m	15,2m	7,6m	Natural (NT)	4,54

CUSTOM CONFIGURATIONS

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

Contact us for custom product options.



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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	Kgs/100m
			Bulk Spool 1	Bulk Spool 2	Bulk Spool 3	Bulk Spool 4		
1,6mm	25,4mm	VWN1.00BA	30,5m	15,2m	7,6m	4,6m	Basalt (BA)	2,53
1,6mm	50,8mm	VWN2.00BA	30,5m	15,2m	7,6m	4,6m	Basalt (BA)	4,76



CUSTOM CONFIGURATIONS

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

Contact us for custom product options.



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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.



Nominal Size	Part #	Wall Thickness ±0,2mm	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
6,4mm	TTN0.25SV	0,6mm	106,6m	30,5m	Silver (SV)	3,79
9,5mm	TTN0.38SV	0,6mm	91,5m	30,5m	Silver (SV)	2,77
12,7mm	TTN0.50SV	0,6mm	76,2m	30,5m	Silver (SV)	3,79
15,9mm	TTN0.63SV	0,6mm	76,2m	30,5m	Silver (SV)	4,46
19,1mm	TTN0.75SV	0,6mm	76,2m	30,5m	Silver (SV)	5,13
22,2mm	TTN0.88SV	0,6mm	76,2m	30,5m	Silver (SV)	6,10
25,4mm	TTN1.00SV	0,6mm	76,2m	30,5m	Silver (SV)	6,70
31,8mm	TTN1.25SV	0,6mm	76,2m	30,5m	Silver (SV)	8,04
38,1mm	TTN1.50SV	0,6mm	76,2m	30,5m	Silver (SV)	9,23
44,5mm	TTN1.75SV	0,6mm	30,5m	15,2m	Silver (SV)	11,01
50,8mm	TTN2.00SV	0,6mm	30,5m	15,2m	Silver (SV)	12,95
63,5mm	TTN2.50SV	0,6mm	30,5m	15,2m	Silver (SV)	15,03
76,2mm	TTN3.00SV	0,6mm	30,5m	15,2m	Silver (SV)	28,28

EXTREME
TEMPERATURE

THERMA SHIELD®

THERMA SHIELD®

WRAP

THERMA SHIELD®

FLAT

CONVOLUTED

Nominal Size	Part #	Wall Thickness ±0,13mm	1,22m Pcs. Put-Ups				Available Colors	Kgs/10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
9,5mm	TCN0.38SV	1,1mm	300	80	45	30	Silver (SV)	0,45
12,7mm	TCN0.50SV	1,1mm	250	70	40	25	Silver (SV)	0,55
15,9mm	TCN0.63SV	1,1mm	150	60	35	20	Silver (SV)	0,68
19,1mm	TCN0.75SV	1,1mm	125	50	30	15	Silver (SV)	0,82
22,2mm	TCN0.88SV	1,1mm	100	40	25	12	Silver (SV)	0,94
25,4mm	TCN1.00SV	1,1mm	88	30	20	9	Silver (SV)	0,95
31,8mm	TCN1.25SV	1,1mm	63	20	10	6	Silver (SV)	1,04

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

WRAP

Nominal Size	Part #	Sheet Width	Wall Thickness ±0,2mm	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
12,7mm	TWN0.50SV	46,0mm	0,6mm	61,0m	30,5m	Silver (SV)	3,87
19,1mm	TWN0.75SV	63,5mm	0,6mm	61,0m	30,5m	Silver (SV)	5,95
25,4mm	TWN1.00SV	85,7mm	0,6mm	61,0m	30,5m	Silver (SV)	7,59
31,8mm	TWN1.25SV	108,0mm	0,6mm	61,0m	30,5m	Silver (SV)	8,48
38,1mm	TWN1.50SV	127,0mm	0,6mm	61,0m	30,5m	Silver (SV)	9,67
44,5mm	TWN1.75SV	147,6mm	0,6mm	30,5m	15,2m	Silver (SV)	11,01
50,8mm	TWN2.00SV	169,9mm	0,6mm	30,5m	15,2m	Silver (SV)	12,50
57,2mm	TWN2.25SV	187,3mm	0,6mm	30,5m	15,2m	Silver (SV)	14,14



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.

FLAT

Nominal Size	Part #	Wall Thickness ±0,2mm	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
25,4mm	TSN1.00SV	0,6mm	76,2m	30,5m	Silver (SV)	2,38
38,1mm	TSN1.50SV	0,6mm	76,2m	30,5m	Silver (SV)	2,98
50,8mm	TSN2.00SV	0,6mm	76,2m	30,5m	Silver (SV)	4,09
76,2mm	TSN3.00SV	0,6mm	76,2m	30,5m	Silver (SV)	6,40
101,6mm	TSN4.00SV	0,6mm	76,2m	30,5m	Silver (SV)	8,33
127,0mm	TSN5.00SV	0,6mm	61,0m	30,5m	Silver (SV)	11,31
152,4mm	TSN6.00SV	0,6mm	30,5m	15,2m	Silver (SV)	13,69
174,6mm	TSN6.88SV	0,6mm	30,5m	15,2m	Silver (SV)	16,22



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



FAR-25

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**EXTREME
TEMPERATURE**

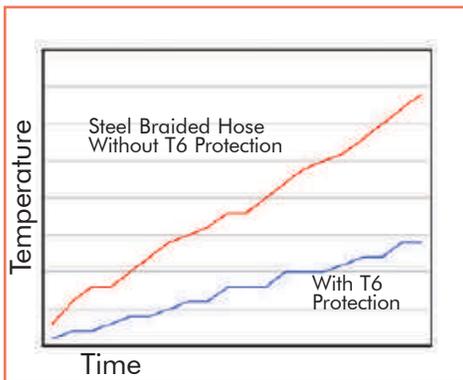
- **Heat Reflective Aluminum Laminated Fiberglass**
- **Self Wrap and Seal Overlap with High Temperature Adhesive Strip**
- **Reflects Radiant Heat**
- **Resists Gasoline and Engine Chemicals**
- **Cut and Abrasion Resistant**
- **Cuts Cleanly with Scissors**
- **Halogen Free**

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

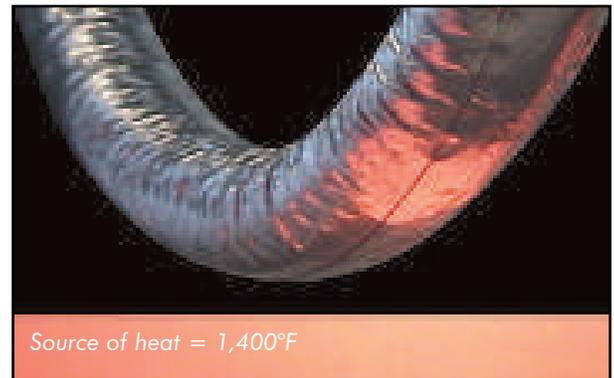
One of the most popular items in the ThermaShield line of aluminized fiberglass products, T6, is designed for ease of installation when component disassembly isn't practical.

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



T6 is shipped in pre-cut 4' lengths

Nominal Size	Wall Thickness ±0,2mm	Part #	1,22m Pcs. Put-Ups				Available Colors	Kgs/10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
6,4mm	1,1mm	T6F0.25SV	250	140	100	50	Silver (SV)	0,45
9,5mm	1,1mm	T6F0.38SV	250	90	50	30	Silver (SV)	0,68
12,7mm	1,1mm	T6F0.50SV	250	70	40	25	Silver (SV)	0,91
15,9mm	1,1mm	T6F0.63SV	150	60	35	20	Silver (SV)	1,13
19,1mm	1,1mm	T6F0.75SV	125	50	30	15	Silver (SV)	1,36
25,4mm	1,1mm	T6F1.00SV	70	30	20	9	Silver (SV)	1,59
31,8mm	1,1mm	T6F1.25SV	63	20	10	6	Silver (SV)	2,04
38,1mm	1,1mm	T6F1.50SV	40	15	8	4	Silver (SV)	2,27
50,8mm	1,1mm	T6F2.00SV	24	8	4	2	Silver (SV)	2,73

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The Ultimate Heat Protection

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.

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



Nominal Size (ID)	Part #	Length	Bulk Pack	Available Colors	Kgs/10 Pcs.
31,8mm	CNS1.25SV	76,2mm	10 Pcs.	Silver (SV)	0,18

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	Kgs/Roll
25,4mm	TST1.00SV	1,7mm	32,93m	Silver (SV)	0,23
38,1mm	TST1.50SV	1,7mm	32,93m	Silver (SV)	0,34
50,8mm	TST2.00SV	1,7mm	32,93m	Silver (SV)	0,48
76,2mm	TST3.00SV	1,7mm	32,93m	Silver (SV)	0,72
101,6mm	TST4.00SV	1,7mm	32,93m	Silver (SV)	0,96
152,4mm	TST6.00SV	1,7mm	32,93m	Silver (SV)	1,45





**EXTREME
TEMPERATURE**

- **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	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	SLN0.25NT	1,5mm	6,4mm	12,7mm	30,5m	15,2m	Natural (NT)	3,87
12,7mm	SLN0.50NT	1,5mm	12,7mm	15,9mm	30,5m	15,2m	Natural (NT)	7,44
25,4mm	SLN1.00NT	1,5mm	19,1mm	29,4mm	30,5m	15,2m	Natural (NT)	9,08
38,1mm	SLN1.50NT	1,5mm	25,4mm	38,1mm	30,5m	15,2m	Natural (NT)	14,88
50,8mm	SLN2.00NT	1,5mm	31,8mm	55,5mm	30,5m	7,6m	Natural (NT)	13,39
76,2mm	SLN3.00NT	1,5mm	63,5mm	88,9mm	30,5m	7,6m	Natural (NT)	17,71
101,6mm	SLN4.00NT	1,5mm	88,9mm	114,3mm	30,5m	7,6m	Natural (NT)	22,02
152,4mm	SLN6.00NT	1,5mm	139,7mm	165,1mm	30,5m	7,6m	Natural (NT)	26,34



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	Kgs/100m
				Bulk Spool	Shop Spool		
25,4mm	WWH1.00SV	1,3mm	15,9mm	15,2m	7,6m	Silver (SV)	19,57
38,1mm	WWH1.50SV	1,3mm	15,9mm	15,2m	7,6m	Silver (SV)	25,21
50,8mm	WWH2.00SV	1,3mm	15,9mm	15,2m	7,6m	Silver (SV)	30,97
76,2mm	WWH3.00SV	1,3mm	15,9mm	15,2m	7,6m	Silver (SV)	42,46



**EXTREME
TEMPERATURE**

- **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.

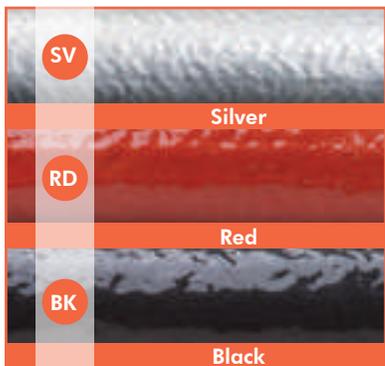
Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500°F is mandatory.

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 95.



Nominal Size	Part #	Dash No.	Wall Thickness ±0,25mm	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
6,4mm	FIN0.25	-04	1,8mm	30,5m	15,2m	SV, RD & BK	7,14
9,5mm	FIN0.38	-06	1,8mm	30,5m	15,2m	SV, RD & BK	9,38
12,7mm	FIN0.50	-08	1,8mm	30,5m	15,2m	SV, RD & BK	11,01
15,9mm	FIN0.63	-10	1,8mm	30,5m	15,2m	SV, RD & BK	13,09
19,1mm	FIN0.75	-12	1,8mm	15,2m	7,6m	SV, RD & BK	14,58
22,2mm	FIN0.88	-14	1,8mm	15,2m	7,6m	SV, RD & BK	15,03
25,4mm	FIN1.00	-16	1,8mm	15,2m	7,6m	SV, RD & BK	20,09
31,8mm	FIN1.25	-20	1,8mm	15,2m	7,6m	SV, RD & BK	20,83
38,1mm	FIN1.50	-24	1,8mm	15,2m	7,6m	SV, RD & BK	21,88
44,5mm	FIN1.75	-28	1,8mm	15,2m	7,6m	SV, RD & BK	24,26
50,8mm	FIN2.00	-32	1,8mm	15,2m	7,6m	SV, RD & BK	30,51
57,2mm	FIN2.25	-36	1,8mm	15,2m	7,6m	SV, RD & BK	34,08
60,3mm	FIN2.38	-38	1,8mm	15,2m	7,6m	SV, RD & BK	40,03
63,5mm	FIN2.50	-40	1,8mm	15,2m	7,6m	SV, RD & BK	42,14
69,9mm	FIN2.75	-44	1,8mm	15,2m	7,6m	SV, RD & BK	44,80
73,0mm	FIN2.88	-46	1,8mm	15,2m	7,6m	SV, RD & BK	47,62
76,2mm	FIN3.00	-48	1,8mm	15,2m	7,6m	SV, RD & BK	49,70
88,9mm	FIN3.50	-56	1,8mm	7,6m	-	SV, RD & BK	55,36
101,6mm	FIN4.00	-64	1,8mm	7,6m	-	SV, RD & BK	59,68

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.

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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	Kgs/100m
				Bulk Spool	Shop Spool		
6,4mm	FIA0.25	-04	2,9mm	30,5m	15,2m	BK & RD	11,96
9,5mm	FIA0.38	-06	2,9mm	30,5m	15,2m	BK & RD	14,82
12,7mm	FIA0.50	-08	2,9mm	30,5m	15,2m	BK & RD	20,89
15,9mm	FIA0.63	-10	2,9mm	30,5m	15,2m	BK & RD	29,82
19,1mm	FIA0.75	-12	2,9mm	15,2m	7,6m	BK & RD	32,68
22,2mm	FIA0.88	-14	2,9mm	15,2m	7,6m	BK & RD	38,75
25,4mm	FIA1.00	-16	2,9mm	15,2m	7,6m	BK & RD	49,11
28,6mm	FIA1.13	-18	2,9mm	15,2m	7,6m	BK & RD	52,15
31,8mm	FIA1.25	-20	2,9mm	15,2m	7,6m	BK & RD	55,00
34,9mm	FIA1.38	-22	2,9mm	15,2m	7,6m	BK & RD	65,54
38,1mm	FIA1.50	-24	2,9mm	15,2m	7,6m	BK & RD	71,43
41,3mm	FIA1.63	-26	2,9mm	15,2m	7,6m	BK & RD	56,61
44,5mm	FIA1.75	-28	2,9mm	15,2m	7,6m	BK & RD	62,50
47,6mm	FIA1.88	-30	2,9mm	15,2m	7,6m	BK & RD	65,45
50,8mm	FIA2.00	-32	2,9mm	15,2m	7,6m	BK & RD	71,43
57,2mm	FIA2.25	-36	2,9mm	15,2m	7,6m	BK & RD	81,84
63,5mm	FIA2.50	-40	2,9mm	15,2m	7,6m	BK & RD	96,79
69,9mm	FIA2.75	-44	2,9mm	15,2m	7,6m	BK & RD	113,40
76,2mm	FIA3.00	-48	2,9mm	15,2m	7,6m	BK & RD	129,47

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.





EXTREME
TEMPERATURE

Wrappable Hose Protection

- Resists Molten Splash Up To 2200°F
- Strong Hook And Loop Closure
- Wrap Around Fire 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 2200°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	Velcro Width	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
25,4mm	FIW1.00RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	13,63
38,1mm	FIW1.50RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	19,31
50,8mm	FIW2.00RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	25,00
63,5mm	FIW2.50RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	30,67
76,2mm	FIW3.00RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	36,36
88,9mm	FIW3.50RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	42,04
101,6mm	FIW4.00RD	1,1mm	25,4mm	45,7m	7,6m	Red (RD)	47,73



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 over-wrapped 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	Kgs/100m
			Bulk Spool	Shop Spool		
88,9mm	FIF3.50	2,4mm	15,2m	7,6m	SV, RD, BK	25,60



EXTREME
TEMPERATURE

SILVER Foil™

Radiant Heat Protection Up To 1050°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 1050°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/yd².

- 14 Mil Thick Foil
- Radiant Heat Protection
- Easy To Install
- Meets or Exceeds the FAA 12 sec. Vertical Burn Requirement



Silver Foil conforms and adheres to irregular shapes.

Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
711,2mm	SRF28.0SV	0,4mm	36,59m	7,6m	Silver (SV)	28,93

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



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

Nominal Size (Width)	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
60.96cm (609,6mm)	GRF28.0GL	0,2mm	45,7m	7,6m	Gold (GL)	12,10



1-973-300-9242
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**EXTREME
TEMPERATURE**

- **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 1000 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	Kgs/1pc.
45,7cm x 45,7cm	DGB18.0BK	6,35mm	1	Black (BK)	0,12
91,4cm x 91,4cm	DGB36.0BK	6,35mm	1	Black (BK)	0,49
182,8cm x 182,8cm	DGB72.0BK	6,35mm	1	Black (BK)	1,85

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Dragon Protection

The fairy tale protection of dragons skin isn't make believe any more. This Dragon is for real. Dragon Sleeve is made to withstand temperatures so unbelievable that it would melt your mind. Designing a hose that you can melt metal on? Developing a wire harness to suspend over a lava field? We'll leave it to you to dream up how to use heat protection like this. While you are dreaming of where to use Dragon Sleeve, Techflex will keep inventing more of the most innovative sleeving products you will need to keep up with your imagination.

- **Lightweight**
- **Flame Retardant**
- **Resists Sparks**
- **Max Heat Up To 1800°F**
- **Double Wall Construction**
- **Tear Resistant**

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	DGN0.13BK	1,6mm	4,8mm	152,4m	68,6m	Black (BK)	0,29
6,4mm	DGN0.25BK	3,2mm	7,9mm	152,4m	61,0m	Black (BK)	0,62
9,5mm	DGN0.38BK	4,8mm	14,3mm	152,4m	38,1m	Black (BK)	0,90
12,7mm	DGN0.50BK	7,9mm	22,2mm	152,4m	30,5m	Black (BK)	1,19
19,1mm	DGN0.75BK	9,5mm	25,4mm	76,2m	22,9m	Black (BK)	1,84
31,8mm	DGN1.25BK	15,9mm	19,1mm	76,2m	15,2m	Black (BK)	3,02
44,5mm	DGN1.75BK	19,1mm	54,0mm	61,0m	15,2m	Black (BK)	3,82
50,8mm	DGN2.00BK	25,4mm	69,9mm	61,0m	15,2m	Black (BK)	4,71



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 1800°F**
- **Double Wall Construction**
- **Tear Resistant**

Length	Part #	Put-Ups/Pc.	Available Colors	Kgs/Pc.
49,5cm	DGA0.00BK	1	Black (BK)	0,11



- **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 #	2,44m Pcs. Put-Ups				Available Colors	Kgs/10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
9,5mm	1,2mm	L6N0.38BK	125	45	25	15	Black (BK)	0,82
12,7mm	1,2mm	L6N0.50BK	125	35	20	12	Black (BK)	0,91
19,1mm	1,2mm	L6N0.75BK	60	25	15	5	Black (BK)	1,64
25,4mm	1,2mm	L6N1.00BK	44	15	10	4	Black (BK)	2,00
31,8mm	1,2mm	L6N1.25BK	30	10	5	3	Black (BK)	2,36

Mylar® is a registered trademark of DuPont Corporation.





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.

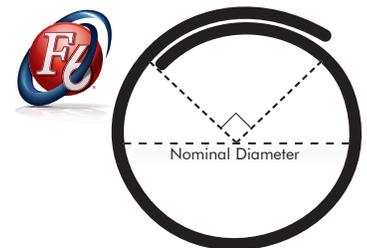
- **Lightweight**
- **Self-Wrapping**
- **Durable Woven Design**
- **Maintains Wires in Flat Shape**
- **Abrasion Resistant**
- **Low Profile**



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	Kgs/100m
			Bulk Spool	Shop Spool		
25,4mm	F6Z1.00BK	31,5mm	15,2m	7,6m	Black (BK)	4,85
38,1mm	F6Z1.50BK	40,6mm	15,2m	7,6m	Black (BK)	6,46
44,5mm	F6Z1.75BK	50,8mm	15,2m	7,6m	Black (BK)	8,07
57,2mm	F6Z2.25BK	61,0mm	15,2m	7,6m	Black (BK)	9,69



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- **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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	NYNO.13BK	2,4mm	6,4mm	304,8m	68,6m	Black (BK)	0,33
6,4mm	NYNO.25BK	3,2mm	9,5mm	304,8m	61,0m	Black (BK)	0,46
9,5mm	NYNO.38BK	6,4mm	11,1mm	152,4m	38,1m	Black (BK)	1,07
12,7mm	NYNO.50BK	9,5mm	19,1mm	152,4m	30,5m	Black (BK)	1,53
15,9mm	NYNO.63BK	11,1mm	25,4mm	152,4m	30,5m	Black (BK)	1,67
19,1mm	NYNO.75BK	12,7mm	31,8mm	76,2m	22,9m	Black (BK)	2,19
25,4mm	NYN1.00BK	15,9mm	34,9mm	76,2m	15,2m	Black (BK)	2,38
31,8mm	NYN1.25BK	19,1mm	38,1mm	76,2m	15,2m	Black (BK)	2,65
38,1mm	NYN1.50BK	25,4mm	50,8mm	61,0m	12,2m	Black (BK)	3,79
50,8mm	NYN2.00BK	38,1mm	76,2mm	61,0m	15,2m	Black (BK)	3,36

Nylon® is a registered trademark of DuPont Corporation.





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 ±0,4mm	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
2,4mm	NMNO.09BK	0,5mm	304,8m	68,6m	Black (BK)	0,43
3,2mm	NMNO.13BK	0,5mm	304,8m	68,6m	Black (BK)	0,49
4,8mm	NMNO.19BK	0,8mm	304,8m	61,0m	Black (BK)	0,83
6,4mm	NMNO.25BK	0,8mm	152,4m	61,0m	Black (BK)	1,18
7,9mm	NMNO.31BK	0,8mm	152,4m	38,1m	Black (BK)	1,47
9,5mm	NMNO.38BK	0,8mm	152,4m	38,1m	Black (BK)	1,62
12,7mm	NMNO.50BK	0,8mm	76,2m	30,5m	Black (BK)	2,59
15,9mm	NMNO.63BK	1,0mm	76,2m	22,9m	Black (BK)	4,24
19,1mm	NMNO.75BK	1,0mm	76,2m	22,9m	Black (BK)	4,69
22,2mm	NMNO.88BK	1,0mm	61,0m	15,2m	Black (BK)	6,47
25,4mm	NMN1.00BK	1,2mm	61,0m	15,2m	Black (BK)	7,66
31,8mm	NMN1.25BK	1,2mm	38,1m	15,2m	Black (BK)	8,18
38,1mm	NMN1.50BK	1,5mm	30,5m	15,2m	Black (BK)	9,61
44,5mm	NMN1.75BK	1,5mm	30,5m	15,2m	Black (BK)	11,50
50,8mm	NMN2.00BK	1,5mm	30,5m	15,2m	Black (BK)	13,41
63,5mm	NMN2.50BK	1,5mm	30,5m	15,2m	Black (BK)	15,36
76,2mm	NMN3.00BK	1,5mm	30,5m	15,2m	Black (BK)	16,37
Tight Weave						
9,5mm	NMT0.38BK	0,8mm	76,2m	22,9m	Black (BK)	2,19



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

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



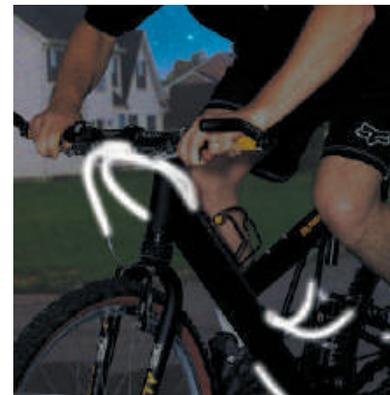
No special tools for installation or skills required.

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.



See pg. 105 for bike kits.

Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
4,8mm	F6R0.19CL	0,6mm	61,0m	30,5m	Clear (CL)	0,86



- **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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	RFN0.13CL	1,6mm	6,4mm	304,8m	30,5m	Clear (CL)	0,43
6,4mm	RFN0.25	4,8mm	9,5mm	304,8m	30,5m	CL & BK	0,49
12,7mm	RFN0.50	6,4mm	25,4mm	152,4m	30,5m	CL & BK	0,77
19,1mm	RFN0.75	9,5mm	34,9mm	76,2m	22,9m	CL & BK	0,94



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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.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	NRN0.13BK	3,2mm	4,8mm	152,4m	30,5m	Black (BK)	0,45
6,4mm	NRN0.25BK	6,4mm	9,5mm	152,4m	30,5m	Black (BK)	0,75
9,5mm	NRN0.38BK	9,5mm	12,7mm	76,2m	30,5m	Black (BK)	1,34
12,7mm	NRN0.50BK	12,7mm	19,1mm	76,2m	30,5m	Black (BK)	1,64
15,9mm	NRN0.63BK	15,9mm	25,4mm	76,2m	30,5m	Black (BK)	2,23
19,1mm	NRN0.75BK	19,1mm	31,8mm	76,2m	22,9m	Black (BK)	2,98
25,4mm	NRN1.00BK	25,4mm	41,3mm	76,2m	15,2m	Black (BK)	3,57

- **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**

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.

Nominal Size	Part #	Wall Thickness ±0,1mm	Bulk Spool	Box A	Box B	Available Colors	Kgs/100m
6,4mm	F6Q0.25BK	1,0mm	609,8m	61,0m	30,5m	Black (BK)	1,49
9,5mm	F6Q0.38BK	1,0mm	304,8m	45,7m	22,9m	Black (BK)	2,69
12,7mm	F6Q0.50BK	1,0mm	243,9m	45,7m	22,9m	Black (BK)	2,98
19,1mm	F6Q0.75BK	1,0mm	152,4m	30,5m	15,2m	Black (BK)	4,46
31,8mm	F6Q1.25BK	1,0mm	76,2m	22,9m	7,6m	Black (BK)	5,95



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



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

Keyable Wrap For Special Effects Professionals

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.



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.



Patent # US 8,205,314 B1

Nominal Size	Part #	Wall Thickness	Hook & Loop	Standard Spool Pui-Ups	Available Colors	Kgs/ 3,05m
				Spool Length		
50,8mm	SKN2.00BG	1,2mm	25,4mm	3,0m	Blue/Green (BG)	1,02
63,5mm	SKN2.50BG	1,2mm	25,4mm	3,0m	Blue/Green (BG)	1,27

Contact your account representative for additional sizes.



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 1 1/2" & 1 3/4", (pg. 6) and with Flexo Clean Cut 1 1/2" (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.



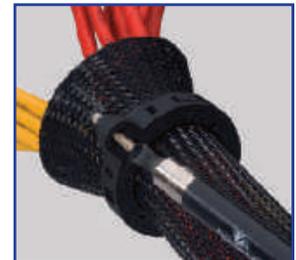
Patent # US 8,157,820 B1

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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



Part #	Description	Available Colors	Kgs/Pkg.
FMS1.50FL	Packaging of a Single Flange	Black (BK)	0,014
FMS1.50FL5	Packaging of 5 Pc. Flange	Black (BK)	0,068
FMP1.50PLATE	Wall Plate only (includes 2 screws)	Black (BK), Almond (BE) & White (WH)	0,040
FMS1.50FK	Finishing Pack: 1 Flange & 1 Wall Plate	Black (BK), *Almond (BE) & *White (WH) (*Plate only)	0,054

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- **600 Denier Polyester With Urethane Coating**
- **Water Repellent**
- **Mildew Resistant**
- **Protects Also Against: Weed Wackers, Rodents, And UV Rays**

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	Kgs/100m
				Bulk Spool	Shop Spool		
38,1mm	FPW1.50BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	7,00
50,8mm	FPW2.00BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	7,94
63,5mm	FPW2.50BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	8,76
76,2mm	FPW3.00BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	9,91
88,9mm	FPW3.50BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	10,56
101,6mm	FPW4.00BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	11,66
114,3mm	FPW4.50BK	0,33mm	38,1mm	45,7m	7,6m	Black (BK)	12,44



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

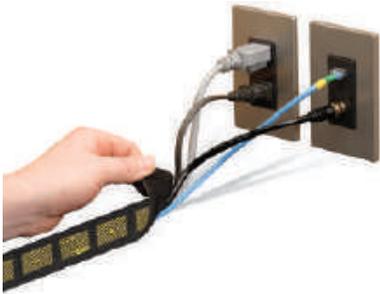
Abrasion Protection For High-Traffic Carpeting With Easy On, Easy Off Hook Closure

Black (BK)

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:



Nominal Size	Part #	Wall Thickness	Standard Spool Put-Ups		Available Colors	Kgs/100m
			Bulk Spool	Shop Spool		
76,2mm	DRN3.00	0,3mm	45,7m	7,6m	GY, BR, BL, GN, YL, BK	6,38
101,6mm	DRN4.00	0,3mm	45,7m	7,6m	SS, GY, BR, BL, GN, YL, BK	7,83
127,0mm	DRN5.00	0,3mm	45,7m	7,6m	SS, GY, BR, BL, GN, YL, BK	10,42

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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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	NSN0.25	3,2mm	11,1mm	304,8m	61,0m	NY, SS & BK	0,65
9,5mm	NSN0.38	4,8mm	12,7mm	152,4m	38,1m	NY, SS & BK	0,85
12,7mm	NSN0.50	6,4mm	19,1mm	152,4m	30,5m	NY, SS & BK	1,32
15,9mm	NSN0.63	9,5mm	25,4mm	152,4m	22,9m	NY, SS & BK	1,55
19,1mm	NSN0.75	12,7mm	31,8mm	76,2m	21,3m	NY & BK	1,86
31,8mm	NSN1.25	19,1mm	44,5mm	61,0m	15,2m	NY, SS & BK	2,92
38,1mm	NSN1.50	25,4mm	50,8mm	61,0m	12,2m	NY, SS & BK	3,35
50,8mm	NSN2.00	38,1mm	88,9mm	61,0m	15,2m	NY & BK	4,09





- **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.

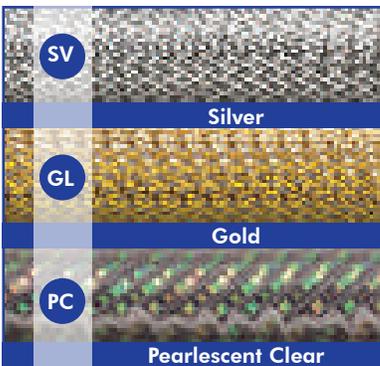
Braided from thin metallic Mylar® strips along with transparent PET monofilament, MYN creates a sparkling, highly reflective effect. MYN can be used instead of Mylar® sheets to wrap and bundle cables.



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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	MYN0.25	3,2mm	11,1mm	304,8m	61,0m	GL & SV	0,25
12,7mm	MYN0.50	6,4mm	25,4mm	152,4m	30,5m	GL & SV	0,52
19,1mm	MYN0.75	15,9mm	44,5mm	76,2m	22,9m	GL & SV	0,77

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	MYE0.13PC	1,6mm	4,0mm	304,8m	68,6m	PC	0,12
6,4mm	MYE0.25PC	4,0mm	7,9mm	304,8m	61,0m	PC	0,15
9,5mm	MYE0.38PC	7,9mm	11,9mm	152,4m	38,1m	PC	0,16
12,7mm	MYE0.50PC	6,4mm	19,1mm	152,4m	30,5m	PC	0,63

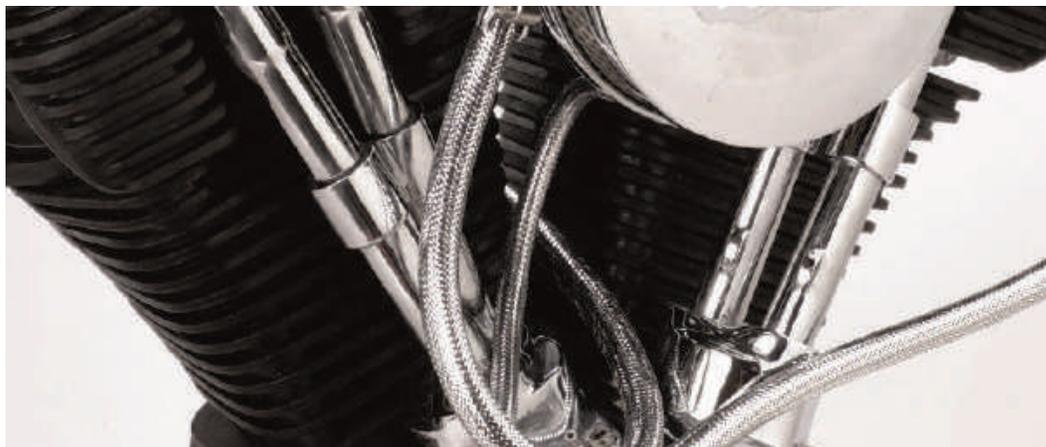
Mylar® is a registered trademark of DuPont Corporation.



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.



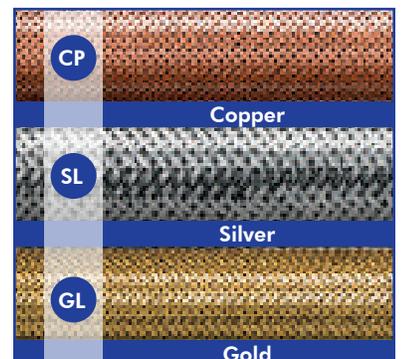
- **Economical and Easy to Install**
- **Cut and Abrasion Resistant**
- **Halogen Free**
- **Resists Gasoline and Engine Chemicals**
- **Ideal for Exposed Applications**
- **Conductive Mylar® for Shielding Applications**



Application possibilities include installing clear PVC Heatshrink Tubing (pg. 82) over wires or hoses covered with Chrome or Chrome XC, and also using the Chrome Cable Ties (pg. 97) for a unique installation.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	CHN0.25SV	4,8mm	12,7mm	152,4m	38,1m	Silver (SV)	0,49
9,5mm	CHN0.38SV	6,4mm	15,9mm	76,2m	30,5m	Silver (SV)	0,58
12,7mm	CHN0.50SV	9,5mm	19,1mm	76,2m	24,4m	Silver (SV)	0,70

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	CXN0.25	6,4mm	7,9mm	152,4m	38,1m	SV & GL	0,37
7,9mm	CXN0.31	7,9mm	12,7mm	76,2m	30,5m	SV & GL	0,54
12,7mm	CXN0.50	12,7mm	19,1mm	76,2m	24,4m	SV & GL	0,77
19,1mm	CXN0.75	19,1mm	34,9mm	61,0m	12,2m	SV & GL	1,24
31,8mm	CXN1.25	31,8mm	50,8mm	30,5m	9,1m	SV & GL	1,86
38,1mm	CXN1.50	38,1mm	76,2mm	30,5m	7,6m	SV & GL	2,23



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- **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 Slewing

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	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
3,2mm	FFN0.13CL	1,6mm	12,7mm	304,8m	68,6m	Clear (CL)	0,27
6,4mm	FFN0.25CL	4,8mm	9,5mm	304,8m	61,0m	Clear (CL)	0,49
7,9mm	FFN0.31CL	7,9mm	11,1mm	152,4m	45,7m	Clear (CL)	0,64
9,5mm	FFN0.38CL	7,9mm	15,9mm	152,4m	38,1m	Clear (CL)	0,79
12,7mm	FFN0.50CL	12,7mm	19,1mm	152,4m	30,5m	Clear (CL)	1,22
15,9mm	FFN0.63CL	12,7mm	25,4mm	76,2m	30,5m	Clear (CL)	1,49



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.

Nominal Size	Part #	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
		Min.	Max.	Bulk Spool	Shop Spool		
1,6mm	FTN0.06CL	1,6mm	4,8mm	304,8m	61,0m	Clear (CL)	0,02
6,4mm	FTN0.25CL	3,2mm	25,4mm	152,4m	61,0m	Clear (CL)	0,06

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

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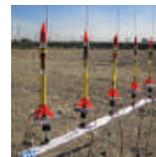


Carbon Fiber Sleeve For High Strength Tubular Structures

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.

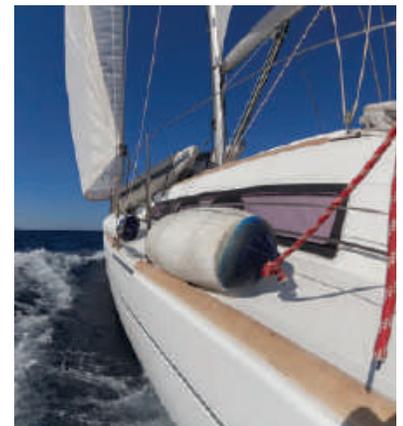
- **Ideal for Strong, Lightweight Tubular Structures**
- **Variety of Diameters, Wall Thicknesses, and Braid Patterns**
- **Fast Turnaround on Custom Requirements**
- **Custom Lengths Available**



	Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
				Min.	Max.	Bulk Spool	Shop Spool		
CARBON LIGHT	6,4mm	CAL0.25BK	0,3mm	3,2mm	7,9mm	152,4m	30,5m	Black (BK)	0,57
	12,7mm	CAL0.50BK	0,3mm	6,4mm	15,9mm	76,2m	15,2m	Black (BK)	1,12
	19,1mm	CAL0.75BK	0,3mm	7,9mm	22,2mm	76,2m	15,2m	Black (BK)	1,80
	25,4mm	CAL1.00BK	0,3mm	9,5mm	27,0mm	61,0m	15,2m	Black (BK)	2,25
	31,8mm	CAL1.25BK	0,3mm	12,7mm	38,1mm	38,1m	7,6m	Black (BK)	2,69
	38,1mm	CAL1.50BK	0,3mm	15,9mm	44,5mm	30,5m	7,6m	Black (BK)	3,36
	50,8mm	CAL2.00BK	0,3mm	19,1mm	55,5mm	30,5m	7,6m	Black (BK)	4,05
CARBON MEDIUM	12,7mm	CAN0.50BK	0,5mm	6,4mm	15,9mm	76,2m	15,2m	Black (BK)	1,80
	19,1mm	CAN0.75BK	0,5mm	7,9mm	22,2mm	76,2m	15,2m	Black (BK)	2,69
	25,4mm	CAN1.00BK	0,5mm	11,1mm	27,0mm	61,0m	15,2m	Black (BK)	3,60
	31,8mm	CAN1.25BK	0,5mm	14,3mm	38,1mm	38,1m	7,6m	Black (BK)	4,49
	38,1mm	CAN1.50BK	0,5mm	19,1mm	44,5mm	30,5m	7,6m	Black (BK)	5,39
	50,8mm	CAN2.00BK	0,5mm	22,2mm	55,5mm	30,5m	7,6m	Black (BK)	6,73
	63,5mm	CAN2.50BK	0,5mm	27,0mm	76,2mm	30,5m	7,6m	Black (BK)	8,08
CARBON HEAVY	19,1mm	CAH0.75BK	0,8mm	9,5mm	22,2mm	76,2m	15,2m	Black (BK)	4,05
	25,4mm	CAH1.00BK	0,8mm	12,7mm	27,0mm	61,0m	15,2m	Black (BK)	5,39
	31,8mm	CAH1.25BK	0,8mm	17,5mm	38,1mm	38,1m	7,6m	Black (BK)	7,19
	38,1mm	CAH1.50BK	0,8mm	20,6mm	44,5mm	30,5m	7,6m	Black (BK)	8,08
	50,8mm	CAH2.00BK	0,8mm	25,4mm	55,5mm	30,5m	7,6m	Black (BK)	10,79
	63,5mm	CAH2.50BK	0,8mm	31,8mm	76,2mm	30,5m	7,6m	Black (BK)	13,53
	76,2mm	CAH3.00BK	0,8mm	38,1mm	88,9mm	15,2m	7,6m	Black (BK)	16,18



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





- **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	0,6mm	AGAG.24	A	AGCG.24	C	152,4m	76,2m	NT, YL, RD, BK
22	0,7mm	AGAG.22	A	AGCG.22	C	152,4m	76,2m	NT, YL, RD, BK
20	0,9mm	AGAG.20	A	AGCG.20	C	152,4m	76,2m	NT, YL, RD, BK
18	1,1mm	AGAG.18	A	AGCG.18	C	152,4m	76,2m	NT, YL, RD, BK
16	1,3mm	AGAG.16	A	AGCG.16	C	152,4m	76,2m	NT, YL, RD, BK
14	1,7mm	AGAG.14	A	AGCG.14	C	152,4m	76,2m	NT, YL, RD, BK
12	2,2mm	AGAG.12	A	AGCG.12	C	76,2m	30,5m	NT, YL, RD, BK
11	2,4mm	AGAG.11	A	AGCG.11	C	76,2m	30,5m	NT, YL, RD, BK
10	2,7mm	AGAG.10	A	AGCG.10	C	76,2m	30,5m	NT, YL, RD, BK
9	3,0mm	AGAG.09	A	AGCG.09	C	76,2m	30,5m	NT, YL, RD, BK
8	3,4mm	AGAG.08	A	AGCG.08	C	76,2m	30,5m	NT, YL, RD, BK
7	3,8mm	AGAG.07	A	AGCG.07	C	76,2m	30,5m	NT, YL, RD, BK
6	4,2mm	AGAG.06	A	AGCG.06	C	76,2m	30,5m	NT, YL, RD, BK
5	4,7mm	AGAG.05	A	AGCG.05	C	76,2m	30,5m	NT, YL, RD, BK
4	5,3mm	AGAG.04	A	AGCG.04	C	76,2m	30,5m	NT, YL, RD, BK
3	5,9mm	AGAG.03	A	AGCG.03	C	76,2m	30,5m	NT, YL, RD, BK
2	6,7mm	AGAG.02	A	AGCG.02	C	76,2m	30,5m	NT, YL, RD, BK
1	7,5mm	AGAG.01	A	AGCG.01	C	30,5m	15,2m	NT, YL, RD, BK
0	8,4mm	AGAG.00	A	AGCG.00	C	30,5m	15,2m	NT, YL, RD, BK
9,5mm	9,5mm	AGA0.38	A	AGC0.38	C	30,5m	15,2m	NT, YL, RD, BK
11,1mm	11,1mm	AGA0.44	A	AGC0.44	C	30,5m	15,2m	NT, YL, RD, BK
12,7mm	12,7mm	AGA0.50	A	AGC0.50	C	30,5m	15,2m	NT, YL, RD, BK
15,9mm	15,9mm	AGA0.63	A	AGC0.63	C	30,5m	15,2m	NT, YL, RD, BK
19,1mm	19,1mm	AGA0.75	A	AGC0.75	C	30,5m	15,2m	NT, YL, RD, BK
22,2mm	22,2mm	AGA0.88	A	AGC0.88	C	30,5m	15,2m	NT, YL, RD, BK
25,4mm	25,4mm	AGA1.00	A	AGC1.00	C	30,5m	15,2m	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.

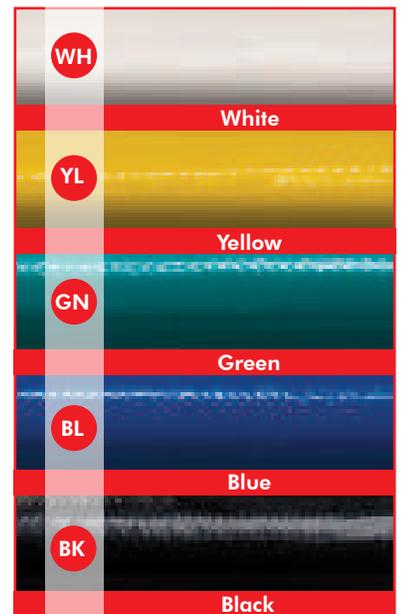
This durable sleeving will withstand mechanical stress and holds its dielectric strength on all bends.

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	0,5mm	A	VGCG.24	C	152,4m	76,2m	WH,YL,GN,BL,BK
22	VGAG.22	0,6mm	A	VGCG.22	C	152,4m	76,2m	WH,YL,GN,BL,BK
20	VGAG.20	0,8mm	A	VGCG.20	C	152,4m	76,2m	WH,YL,GN,BL,BK
18	VGAG.18	1,0mm	A	VGCG.18	C	152,4m	76,2m	WH,YL,GN,BL,BK
17	VGAG.17	1,1mm	A	VGCG.17	C	152,4m	76,2m	WH,YL,GN,BL,BK
16	VGAG.16	1,3mm	A	VGCG.16	C	152,4m	76,2m	WH,YL,GN,BL,BK
15	VGAG.15	1,4mm	A	VGCG.15	C	152,4m	76,2m	WH,YL,GN,BL,BK
14	VGAG.14	1,6mm	A	VGCG.14	C	152,4m	76,2m	WH,YL,GN,BL,BK
13	VGAG.13	1,8mm	A	VGCG.13	C	76,2m	30,5m	WH,YL,GN,BL,BK
12	VGAG.12	2,1mm	A	VGCG.12	C	76,2m	30,5m	WH,YL,GN,BL,BK
11	VGAG.11	2,3mm	A	VGCG.11	C	76,2m	30,5m	WH,YL,GN,BL,BK
10	VGAG.10	2,6mm	A	VGCG.10	C	76,2m	30,5m	WH,YL,GN,BL,BK
9	VGAG.09	2,9mm	A	VGCG.09	C	76,2m	30,5m	WH,YL,GN,BL,BK
8	VGAG.08	3,3mm	A	VGCG.08	C	76,2m	30,5m	WH,YL,GN,BL,BK
7	VGAG.07	3,7mm	A	VGCG.07	C	76,2m	30,5m	WH,YL,GN,BL,BK
6	VGAG.06	4,1mm	A	VGCG.06	C	76,2m	30,5m	WH,YL,GN,BL,BK
5	VGAG.05	4,6mm	A	VGCG.05	C	76,2m	30,5m	WH,YL,GN,BL,BK
4	VGAG.04	5,2mm	A	VGCG.04	C	76,2m	30,5m	WH,YL,GN,BL,BK
3	VGAG.03	5,8mm	A	VGCG.03	C	76,2m	30,5m	WH,YL,GN,BL,BK
2	VGAG.02	6,6mm	A	VGCG.02	C	76,2m	30,5m	WH,YL,GN,BL,BK
1	VGAG.01	7,3mm	A	VGCG.01	C	30,5m	15,2m	WH,YL,GN,BL,BK
0	VGAG.00	8,3mm	A	VGCG.00	C	30,5m	15,2m	WH,YL,GN,BL,BK
9,5mm	VGA0.38	9,5mm	A	VGCO.38	C	30,5m	15,2m	WH,YL,GN,BL,BK
11,1mm	VGA0.44	11,1mm	A	VGCO.44	C	30,5m	15,2m	WH,YL,GN,BL,BK
12,7mm	VGA0.50	12,7mm	A	VGCO.50	C	30,5m	15,2m	WH, YL, BK
15,9mm	VGA0.63	15,9mm	A	VGCO.63	C	30,5m	15,2m	WH, YL, BK
19,1mm	VGA0.75	19,1mm	A	VGCO.75	C	30,5m	15,2m	WH, YL, BK
22,2mm	VGA0.88	22,2mm	A	VGCO.88	C	30,5m	15,2m	WH, YL, BK
25,4mm	VGA1.00	25,4mm	A	VGCI.00	C	30,5m	15,2m	WH, YL, BK





- **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, & Aliphatic Hydrocarbons**

FR Silicone Coated Fiberglass Sleeving Grade A & C

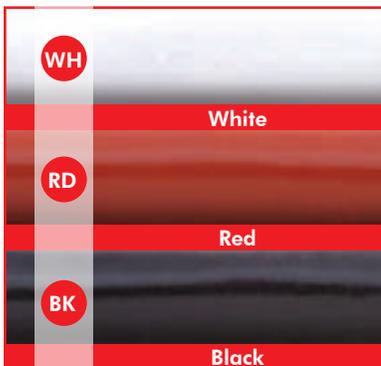
FLAME RETARDANT SILICONE FLEX GLASS (SF) sleeving is an extremely flexible braided fiberglass sleeve coated with a flame retardant elastometric silicone rubber sheath.

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	0,6mm	SFAG.24	A	WH,RD,BK	SFCG.24	C	152,4m	76,2m	WH,RD,BK
22	0,7mm	SFAG.22	A	WH,RD,BK	SFCG.22	C	152,4m	76,2m	WH,RD,BK
20	0,9mm	SFAG.20	A	WH,RD,BK	SFCG.20	C	152,4m	76,2m	WH,RD,BK
18	1,1mm	SFAG.18	A	WH,RD,BK	SFCG.18	C	152,4m	76,2m	WH,RD,BK
16	1,3mm	SFAG.16	A	WH,RD,BK	SFCG.16	C	152,4m	76,2m	WH,RD,BK
14	1,7mm	SFAG.14	A	WH,RD,BK	SFCG.14	C	152,4m	76,2m	WH,RD,BK
12	2,2mm	SFAG.12	A	WH,RD,BK	SFCG.12	C	76,2m	30,5m	WH,RD,BK
10	2,7mm	SFAG.10	A	WH,RD,BK	SFCG.10	C	76,2m	30,5m	WH,RD,BK
9	3,0mm	SFAG.09	A	WH,RD,BK	SFCG.09	C	76,2m	30,5m	WH,RD,BK
8	3,4mm	SFAG.08	A	WH,RD,BK	SFCG.08	C	76,2m	30,5m	WH,RD,BK
7	3,8mm	SFAG.07	A	WH,RD,BK	SFCG.07	C	76,2m	30,5m	WH,RD,BK
6	4,2mm	SFAG.06	A	WH,RD,BK	SFCG.06	C	76,2m	30,5m	WH,RD,BK
5	4,7mm	SFAG.05	A	WH,RD,BK	SFCG.05	C	76,2m	30,5m	WH,RD,BK
4	5,3mm	SFAG.04	A	WH,RD,BK	SFCG.04	C	76,2m	30,5m	WH,RD,BK
3	5,9mm	SFAG.03	A	WH,RD,BK	SFCG.03	C	76,2m	30,5m	WH,RD,BK
2	6,7mm	SFAG.02	A	WH,RD,BK	SFCG.02	C	76,2m	30,5m	WH,RD,BK
1	7,5mm	SFAG.01	A	WH,RD,BK	SFCG.01	C	30,5m	15,2m	WH,RD,BK
0	8,4mm	SFAG.00	A	WH,RD,BK	SFCG.00	C	30,5m	15,2m	WH,RD,BK
9,5mm	9,5mm	SFA0.38	A	WH,RD,BK	SFC0.38	C	30,5m	15,2m	WH,RD,BK
11,1mm	11,1mm	SFA0.44	A	WH,RD,BK	SFC0.44	C	30,5m	15,2m	WH,RD,BK
12,7mm	12,7mm	SFA0.50	A	WH,RD,BK	SFC0.50	C	30,5m	15,2m	WH,RD,BK
15,9mm	15,9mm	SFA0.63	A	WH,RD,BK	SFC0.63	C	30,5m	15,2m	WH,RD,BK
19,1mm	19,1mm	SFA0.75	A	WH,RD,BK	SFC0.75	C	30,5m	15,2m	WH,RD,BK
22,2mm	22,2mm	SFA0.88	A	WH,RD,BK	SFC0.88	C	30,5m	15,2m	WH,RD,BK
25,4mm	25,4mm	SFA1.00	A	WH,RD,BK	SFC1.00	C	30,5m	15,2m	WH,RD,BK
31,8mm	31,8mm	SFA1.25	A	WH,RD,BK	N/A	N/A	30,5m	15,2m	N/A
38,1mm	38,1mm	SFA1.50	A	WH,RD,BK	N/A	N/A	30,5m	15,2m	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 aliphatic 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 Aliphatic Hydrocarbons**



Nominal Size	Diameter	Part #	Grade	Standard Spool Put-Ups		Available Colors
				Bulk Spool	Shop Spool	
14	1,7mm	SGHG.14RD	15,000 V	152,4m	N/A	Red (RD)
12	2,2mm	SGHG.12RD	15,000 V	76,2m	N/A	Red (RD)
10	2,7mm	SGHG.10RD	15,000 V	76,2m	N/A	Red (RD)
9	3,0mm	SGHG.09RD	15,000 V	76,2m	N/A	Red (RD)
8	3,4mm	SGHG.08RD	15,000 V	76,2m	N/A	Red (RD)
7	3,8mm	SGHG.07RD	15,000 V	76,2m	N/A	Red (RD)
6	4,2mm	SGHG.06RD	15,000 V	76,2m	N/A	Red (RD)
5	4,7mm	SGHG.05RD	15,000 V	76,2m	N/A	Red (RD)
4	5,3mm	SGHG.04RD	15,000 V	76,2m	N/A	Red (RD)
3	5,9mm	SGHG.03RD	15,000 V	76,2m	N/A	Red (RD)
2	6,7mm	SGHG.02RD	15,000 V	76,2m	N/A	Red (RD)
1	7,5mm	SGHG.01RD	15,000 V	76,2m	N/A	Red (RD)
0	8,4mm	SGHG.00RD	15,000 V	30,5m	N/A	Red (RD)
9,5mm	9,5mm	SGH0.38RD	15,000 V	30,5m	N/A	Red (RD)
11,1mm	11,1mm	SGH0.44RD	15,000 V	30,5m	N/A	Red (RD)
12,7mm	12,7mm	SGH0.50RD	15,000 V	30,5m	N/A	Red (RD)
15,9mm	15,9mm	SGH0.63RD	15,000 V	30,5m	N/A	Red (RD)
19,1mm	19,1mm	SGH0.75RD	15,000 V	30,5m	N/A	Red (RD)
22,2mm	22,2mm	SGH0.88RD	15,000 V	15,2m	N/A	Red (RD)
25,4mm	25,4mm	SGH1.00RD	15,000 V	15,2m	N/A	Red (RD)



- **Shrink Temp. 90°C**
- **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.



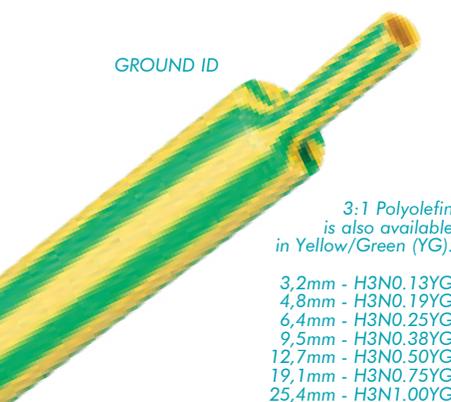
Shrinkflex shop spools fit into our dispenser kit (pg. 115) for easy storage and organization.

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
1,2mm	H2N0.05	1,3mm	0,6mm	152,4m	7,6m	11	0,24
1,6mm	H2N0.06	1,8mm	0,8mm	152,4m	7,6m	11	0,33
3,2mm	H2N0.13	3,4mm	1,6mm	152,4m	7,6m	11	0,64
4,8mm	H2N0.19	5,0mm	2,4mm	76,2m	7,6m	BK & CL	0,89
6,4mm	H2N0.25	6,4mm	3,2mm	76,2m	7,6m	11	1,55
9,5mm	H2N0.38	9,5mm	4,8mm	61,0m	7,6m	11	1,95
12,7mm	H2N0.50	12,7mm	6,4mm	61,0m	7,6m	11	2,26
15,9mm	H2N0.63	16,7mm	8,0mm	30,5m	7,6m	11	3,15
19,1mm	H2N0.75	19,1mm	9,4mm	30,5m	7,6m	11	3,84
25,4mm	H2N1.00	25,7mm	12,7mm	30,5m	7,6m	11	5,57
38,1mm	H2N1.50	38,1mm	19,1mm	30,5m	7,6m	11	8,23
50,8mm	H2N2.00	51,0mm	25,4mm	30,5m	7,6m	11	12,28
76,2mm	H2N3.00	76,2mm	38,1mm	30,5m	7,6m	BK,CL,GN,GY,RD,WH,YL	19,57
101,6mm	H2N4.00BK	101,6mm	50,8mm	30,5m	7,6m	BK	34,97
152,4mm	H2N6.00BK	152,4mm	76,2mm	25m	7,6m	BK	41,66



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	Kgs/100m
				Bulk Spool	Shop Spool		
1,6mm	H3N0.06	1,5mm	0,5mm	152,4m	7,6m	11	0,27
3,2mm	H3N0.13	3,0mm	1,0mm	152,4m	7,6m	11 & YG	0,55
4,8mm	H3N0.19	4,5mm	1,5mm	76,2m	7,6m	11 & YG	0,82
6,4mm	H3N0.25	6,0mm	2,0mm	76,2m	7,6m	11 & YG	1,10
9,5mm	H3N0.38	9,0mm	3,0mm	61,0m	7,6m	11 & YG	1,50
12,7mm	H3N0.50	12,0mm	4,0mm	61,0m	7,6m	11 & YG	1,90
19,1mm	H3N0.75	18,8mm	6,0mm	30,5m	7,6m	11 & YG	2,78
25,4mm	H3N1.00	24,0mm	8,0mm	30,5m	7,6m	11 & YG	4,26
38,1mm	H3N1.50	38,0mm	13,0mm	30,5m	7,6m	11	6,71
50,8mm	H3N2.00	50,0mm	17,0mm	30,5m	7,6m	11	9,42
76,2mm	H3N3.00	75,0mm	25,4mm	30,5m	6,1m	BK	15,37



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. 92), 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!



1-973-300-9242
www.techflex.com

- Shrink Temp. 90°C
- 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	Kgs/100m
				Bulk Spool	Shop Spool		
12,7mm	H4N0.50BK	12,0mm	3,0mm	61,0m	7,6m	Black (BK)	1,74
19,1mm	H4N0.75BK	19,0mm	4,5mm	30,5m	7,6m	Black (BK)	4,09
25,4mm	H4N1.00BK	25,4mm	7,0mm	30,5m	7,6m	Black (BK)	4,84
31,8mm	H4N1.25BK	32,0mm	8,0mm	30,5m	7,6m	Black (BK)	5,95
38,1mm	H4N1.50BK	38,0mm	9,5mm	30,5m	7,6m	Black (BK)	6,32



Ultra Clear 2:1 PVC Heatshrink Tubing

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	Kgs/100m
				Bulk Spool	Shop Spool		
1,6mm	H2P0.06	1,6mm	0,8mm	304,8m	30,5m	CL & BK	0,29
6,4mm	H2P0.25	6,4mm	3,2mm	61,0m	7,6m	CL & BK	0,89
7,9mm	H2P0.31	8,0mm	4,0mm	61,0m	7,6m	CL & BK	1,04
9,5mm	H2P0.38	9,5mm	4,8mm	61,0m	7,6m	CL & BK	1,19
12,7mm	H2P0.50	12,7mm	6,4mm	61,0m	7,6m	CL & BK	1,64
15,9mm	H2P0.63	15,9mm	7,9mm	61,0m	7,6m	CL & BK	1,73
19,1mm	H2P0.75	19,1mm	9,5mm	61,0m	7,6m	CL & BK	2,83
25,4mm	H2P1.00	25,4mm	12,7mm	61,0m	7,6m	CL & BK	4,46
38,1mm	H2P1.50	3,1mm	19,1mm	30,5m	7,6m	CL & BK	7,89
50,8mm	H2P2.00	50,8mm	25,4mm	30,5m	7,6m	CL & BK	12,50

Stays clear when shrunk.

1-973-300-9242
www.techflex.com

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. 135°C**
- **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	Kgs/100m
				Bulk Spool	Shop Spool		
12,7mm	H2F0.48BK	12mm	6mm	30,5m	7,6m	Black (BK)	1,71
19,1mm	H2F0.79BK	20mm	10mm	30,5m	7,6m	Black (BK)	2,40
30,2mm	H2F1.18BK	30mm	15mm	30,5m	7,6m	Black (BK)	3,17
38,1mm	H2F1.58BK	40mm	20mm	30,5m	7,6m	Black (BK)	3,96
50,8mm	H2F1.97BK	50mm	25mm	30,5m	7,6m	Black (BK)	5,12
60,3mm	H2F2.36BK	60mm	30mm	30,5m	7,6m	Black (BK)	6,12
69,9mm	H2F2.75BK	70mm	35mm	30,5m	7,6m	Black (BK)	6,98



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.



Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
3,2mm	H2D0.13BK	3,2mm	1,6mm	152,4m	7,6m	Black (BK)	1,04
4,8mm	H2D0.19BK	4,8mm	2,4mm	76,2m	7,6m	Black (BK)	1,49
6,4mm	H2D0.25BK	6,4mm	3,2mm	76,2m	7,6m	Black (BK)	1,79
9,5mm	H2D0.38BK	9,6mm	4,8mm	61,0m	7,6m	Black (BK)	2,60
12,7mm	H2D0.50BK	12,8mm	6,4mm	30,5m	7,6m	Black (BK)	4,09
19,1mm	H2D0.75BK	19,3mm	9,5mm	30,5m	7,6m	Black (BK)	7,07
25,4mm	H2D1.00BK	25,4mm	12,7mm	30,5m	7,6m	Black (BK)	13,10
31,8mm	H2D1.25BK	31,8mm	15,9mm	30,5m	7,6m	Black (BK)	18,75
38,1mm	H2D1.50BK	38,2mm	19,1mm	30,5m	7,6m	Black (BK)	18,16

- **Shrink Temp. 150°C**
- **Heavy Wall, Flexible Elastomer Polyolefin Tubing**
- **High Resistance to Aviation Fuels, Diesel Fuels, and Oils**

Contact your account representative for heatshrink cutting & printing services.

1-973-300-9242
www.techflex.com

- Shrink Temp. 90°C
- Flame Retardant
- Resists Common Automotive Chemicals
- Easily Installs Over Connectors & Splices
- Excellent Electrical Properties
- Protects from Fluids, Moisture, & Corrosion

2:1, 3:1, And 4:1 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, and 4:1 shrink ratio, and it is available in 1,2m sticks.

Shrinks to 1/2 its original diameter

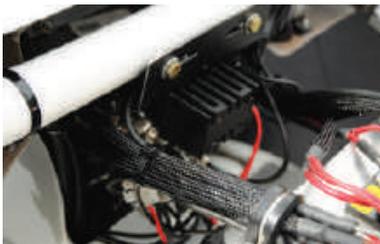
Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
3,2mm	H2A0.13	3,2mm	1,6mm	250	25	CL,BK	0,08
6,4mm	H2A0.25	6,4mm	3,2mm	250	25	CL,BK	0,15
9,5mm	H2A0.38	9,6mm	4,8mm	250	25	WH,RD,BK	0,25
12,7mm	H2A0.50	12,7mm	6,4mm	200	25	CL,WH,RD,BK	0,33
19,1mm	H2A0.75	19,1mm	9,6mm	80	25	WH,RD,BK	0,52
25,4mm	H2A1.00	25,4mm	12,7mm	50	25	WH,RD,BK	0,67
38,1mm	H2A1.50	38,1mm	19,1mm	15	5	BK	1,14

Shrinks to 1/3 its original diameter

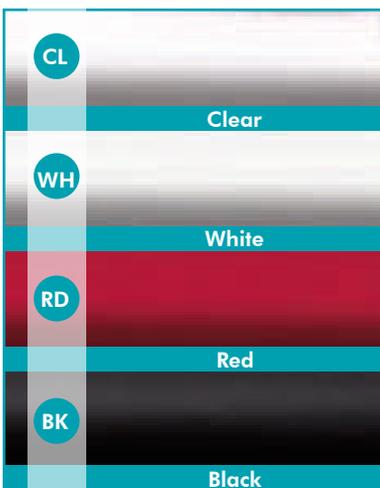
Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
3,2mm	H3A0.13	3,0mm	1,0mm	250	25	CL,WH,RD,BK	0,12
4,8mm	H3A0.19	4,8mm	1,5mm	250	25	CL,WH,RD,BK	0,14
6,4mm	H3A0.25	6,0mm	2,0mm	250	25	CL,WH,RD,BK	0,16
9,5mm	H3A0.38	9,0mm	3,0mm	250	25	CL,WH,RD,BK	0,25
12,7mm	H3A0.50	12,0mm	4,0mm	200	25	CL,WH,RD,BK	0,34
19,1mm	H3A0.75	19,0mm	6,0mm	80	25	CL,WH,RD,BK	0,75
25,4mm	H3A1.00	24,0mm	8,0mm	50	25	CL,WH,RD,BK	0,98
38,1mm	H3A1.50	38,0mm	13,0mm	25	-	CL,WH,RD,BK	2,00

Shrinks to 1/4 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
4,8mm	H4A0.19	4,0mm	1,0mm	250	25	CL,BK	0,14
7,9mm	H4A0.31	8,0mm	2,0mm	250	25	CL,BK	0,20
12,7mm	H4A0.50	12,0mm	3,0mm	200	25	CL,BK	0,41
19,1mm	H4A0.75	16,0mm	4,0mm	80	25	CL,BK	0,68
25,4mm	H4A1.00	24,0mm	6,0mm	50	25	CL,BK	1,18
31,8mm	H4A1.25	32,0mm	8,0mm	25	5	CL,BK	1,59
50,8mm	H4A2.00	52,0mm	13,0mm	15	5	CL,BK	3,64



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



Contact your account representative for heatshrink cutting & printing services.



2:1 Viton® - Flexible Heatshrink Tubing

Viton® is a rubber-like, highly fluid-resistant, flame retardant fluoro-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	Kgs/100m
				Bulk Spool	Shop Spool		
3,2mm	H2V0.13BK	3,2mm	1,6mm	61,0m	30,5m	Black (BK)	1,88
4,8mm	H2V0.19BK	4,8mm	2,4mm	61,0m	30,5m	Black (BK)	2,16
6,4mm	H2V0.25BK	6,4mm	3,2mm	61,0m	30,5m	Black (BK)	2,50
9,5mm	H2V0.38BK	9,5mm	4,7mm	61,0m	30,5m	Black (BK)	3,38
12,7mm	H2V0.50BK	12,7mm	6,4mm	30,5m	15,2m	Black (BK)	3,41
15,9mm	H2V0.63BK	16,0mm	8,0mm	30,5m	15,2m	Black (BK)	3,72
19,1mm	H2V0.75BK	19,1mm	9,5mm	30,5m	15,2m	Black (BK)	6,16
22,2mm	H2V0.88BK	22,4mm	11,0mm	15,2m	7,6m	Black (BK)	7,19
25,4mm	H2V1.00BK	25,4mm	12,7mm	15,2m	7,6m	Black (BK)	8,53
31,8mm	H2V1.25BK	31,7mm	15,7mm	15,2m	7,6m	Black (BK)	12,20
38,1mm	H2V1.50BK	38,1mm	19,1mm	15,2m	7,6m	Black (BK)	13,10
50,8mm	H2V2.00BK	50,8mm	25,4mm	15,2m	7,6m	Black (BK)	19,95

- Shrink Temp. 175°C
- Mil-I-DTL-23053/13
- Flame Retardant
- Resistant to Highly Corrosive Acids, Fluids, Fuels, & Solvents
- High Operating Temp. 200°C for Extreme Working Conditions

Viton® is a registered trademark of DuPont Performance Elastomers.

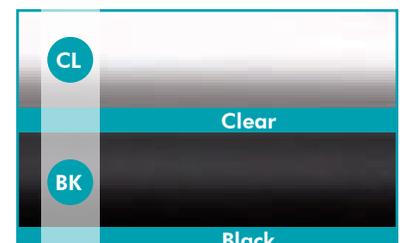
2:1 Kynar® - Semi-Rigid Heatshrink Tubing

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.



Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box	Shop Box	Available Colors	Kgs/10Pcs.
				Put Up/1,2mPcs.	Put Up/1,2mPcs.		
1,2mm	H2K0.05	1,2mm	0,6mm	200	25	CL & BK	0,01
1,6mm	H2K0.06	1,6mm	0,8mm	200	25	CL & BK	0,02
2,4mm	H2K0.09	2,4mm	1,2mm	200	25	CL & BK	0,03
3,2mm	H2K0.13	3,2mm	1,6mm	200	25	CL & BK	0,03
4,8mm	H2K0.19	4,8mm	2,4mm	200	25	CL & BK	0,05
6,4mm	H2K0.25	6,4mm	3,2mm	200	25	CL & BK	0,07
9,5mm	H2K0.38	9,5mm	4,7mm	200	25	CL & BK	0,11
12,7mm	H2K0.50	12,7mm	6,4mm	100	25	CL & BK	0,14
19,1mm	H2K0.75	19,1mm	9,5mm	50	25	CL & BK	0,23
25,4mm	H2K1.00	25,6mm	12,7mm	50	25	CL & BK	0,36

- Shrink Temp. 175°C
- Mil-I-DTL-23053/8
- Flame Retardant



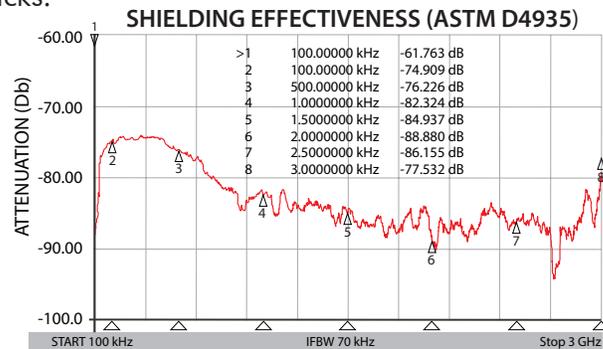
Kynar® is a registered trademark of the Arkema Corporation.



- 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 1,2m sticks.



Shrinks to 1/2 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
4,8mm	H2C0.19BK	4,8mm	2,4mm	12	2	Black (BK)	0,13
6,4mm	H2C0.25BK	6,4mm	3,2mm	12	2	Black (BK)	0,21
9,5mm	H2C0.38BK	9,5mm	4,8mm	12	2	Black (BK)	0,28
12,7mm	H2C0.50BK	12,7mm	6,4mm	12	2	Black (BK)	0,33
19,1mm	H2C0.75BK	19,1mm	9,5mm	12	2	Black (BK)	0,54
25,4mm	H2C1.00BK	25,4mm	12,7mm	12	2	Black (BK)	0,77
38,1mm	H2C1.50BK	38,1mm	19,1mm	12	2	Black (BK)	1,16

Shrinks to 1/3 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
9,5mm	H3C0.38BK	8,0mm	3,0mm	12	2	Black (BK)	0,22
12,7mm	H3C0.50BK	12,0mm	4,0mm	12	2	Black (BK)	0,28
19,1mm	H3C0.75BK	18,0mm	6,0mm	12	2	Black (BK)	0,41
25,4mm	H3C1.00BK	24,0mm	8,0mm	12	2	Black (BK)	0,61
38,1mm	H3C1.50BK	40,0mm	13,0mm	12	2	Black (BK)	0,96
50,8mm	H3C2.00BK	50,0mm	17,0mm	12	2	Black (BK)	1,33

Shrinks to 1/4 its original diameter

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Bulk Box Put Up/1,2mPcs.	Shop Box Put Up/1,2mPcs.	Available Colors	Kgs/10Pcs.
19,1mm	H4C0.75BK	19,1mm	4,6mm	12	2	Black (BK)	0,57
25,4mm	H4C1.00BK	25,4mm	6,6mm	12	2	Black (BK)	0,68
38,1mm	H4C1.50BK	38,1mm	9,5mm	12	2	Black (BK)	0,92
50,8mm	H4C2.00BK	50,8mm	12,7mm	12	2	Black (BK)	1,68

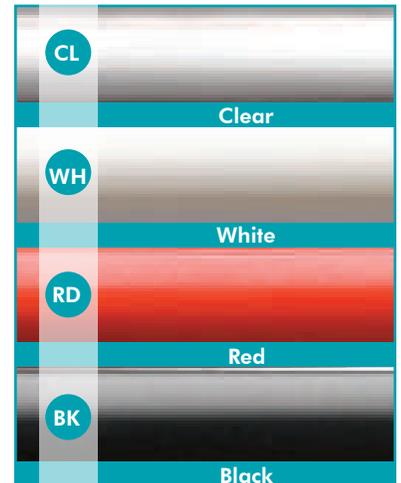
2:1 Glossy Polyolefin Heatshrink Tubing

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. 115°C**
- **Excellent UV Resistance**
- **Good Electrical Properties & Chemical Resistance**

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Standard Spool Put-Ups		Available Colors	Kgs/100m
				Bulk Spool	Shop Spool		
3,2mm	H2G0.13	3,2mm	1,6mm	152,4m	7,6m	CL,WH,RD,BK	0,64
4,8mm	H2G0.19	4,8mm	2,4mm	61,0m	7,6m	CL,WH,RD,BK	0,89
6,4mm	H2G0.25	6,4mm	3,2mm	61,0m	7,6m	CL,WH,RD,BK	1,55
9,5mm	H2G0.38	9,5mm	4,7mm	61,0m	7,6m	CL,WH,RD,BK	1,95
12,7mm	H2G0.50	12,7mm	6,4mm	61,0m	7,6m	CL,WH,RD,BK	2,26
19,1mm	H2G0.75	19,1mm	9,5mm	30,5m	7,6m	CL,WH,RD,BK	3,84
25,4mm	H2G1.00	25,4mm	12,7mm	30,5m	7,6m	CL,WH,RD,BK	5,57
38,1mm	H2G1.50	38,1mm	19,1mm	30,5m	7,6m	CL,WH,RD,BK	8,23
50,8mm	H2G2.00	50,8mm	25,4mm	30,5m	7,6m	CL,WH,RD,BK	12,28

Contact your account representative for heatshrink cutting & printing services.





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.

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

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)

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



Splice sleeve



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	Kgs/100m
				Bulk Spool	Shop Spool		
50,8mm	HFA2.00CL	50,0mm	0,3mm	30,5m	7,6m	Clear (CL)	1,73

1-973-300-9242
www.techflex.com

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 #	3,2mm	6,4mm	9,5mm	12,7mm	19,1mm	25,4mm	Colors
HSK2-BK-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Black
HSK2-RD-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Red
HSK2-YL-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Yellow
HSK2-WH-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	White
HSK2-BL-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Blue
HSK2-CL-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Clear
HSK2-GN-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Green
HSK2-BR-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Brown
HSK2-GY-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Gray
HSK2-OR-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Orange
HSK2-PP-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Purple
HSK2-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Mixed

3:1 Polyolefin

Part #	3,2mm	6,4mm	9,5mm	12,7mm	19,1mm	25,4mm	Colors
HSK3-BK-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Black
HSK3-RD-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Red
HSK3-YL-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Yellow
HSK3-WH-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	White
HSK3-CL-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Clear
HSK3-K	30 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	20 pieces 152,4mm	10 pieces 152,4mm	10 pieces 152,4mm	Mixed

3:1 Dual Wall Adhesive - Small Sizes

Part #	6,4mm	6,4mm	9,5mm	9,5mm	12,7mm	12,7mm	Colors
HSA3-KS	12 pieces 152,4mm RD	12 pieces 152,4mm BK	9 pieces 152,4mm RD	9 pieces 152,4mm BK	6 pieces 152,4mm RD	10 pieces 152,4mm BK	BK & RD

3:1 Dual Wall Adhesive - Large Sizes

Part #	12,7mm	12,7mm	19,1mm	19,1mm	25,4mm	25,4mm	Colors
HSA3-KL	12 pieces 152,4mm RD	12 pieces 152,4mm BK	6 pieces 152,4mm RD	6 pieces 152,4mm BK	3 pieces 152,4mm RD	3 pieces 152,4mm 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

- **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

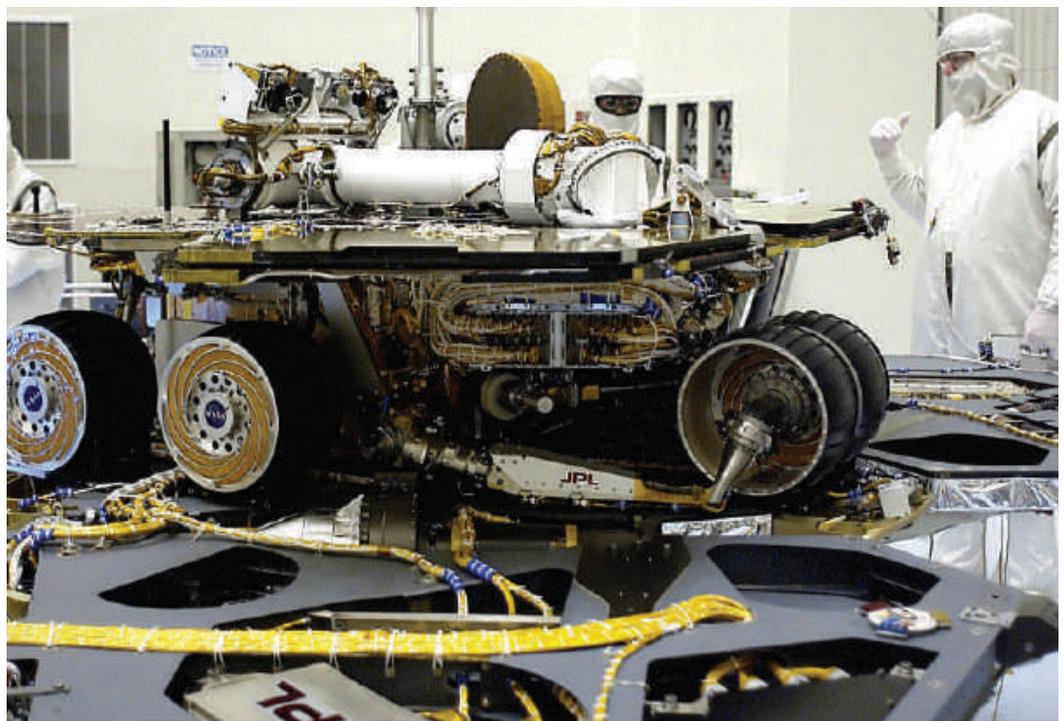
Lasts longer than cable ties! Cable ties turn brittle and degrade over time due to environmental exposure and loss of plasticizers. A roll of lacing tape can manage any size cable bundle, from a couple of 22AWG wires to a fistful of heavy power cables.

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 6,4mm 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	Kgs/ Spool
			Min	Max	Min	Max			
LT1-S1-FA-**	1	A	4,5mm	5,6mm	0,3mm	0,5mm	NT & BK	228,7m	0,36
LT1-S2-FA-**	2	A	2,5mm	3,1mm	0,3mm	0,5mm	NT & BK	228,7m	0,20
LT1-S3-FA-**	3	A	1,9mm	2,4mm	0,3mm	0,4mm	NT & BK	457,3m	0,23
LT1-S4-FA-**	4	A	1,4mm	1,7mm	0,2mm	0,4mm	NT & BK	457,3m	0,18
LT1-S5-FA-**	5	A	1,1mm	1,4mm	0,2mm	0,4mm	NT & BK	457,3m	0,14
LT1-S1-FB-**	1	B	4,5mm	5,6mm	0,3mm	0,5mm	NT & BK	228,7m	0,43
LT1-S2-FB-**	2	B	2,5mm	3,1mm	0,3mm	0,5mm	NT & BK	228,7m	0,23
LT1-S3-FB-**	3	B	1,9mm	2,4mm	0,3mm	0,4mm	NT & BK	457,3m	0,25
LT1-S4-FB-**	4	B	1,4mm	1,7mm	0,2mm	0,4mm	NT & BK	457,3m	0,20
LT1-S5-FB-**	5	B	1,1mm	1,4mm	0,2mm	0,4mm	NT & BK	457,3m	0,14
LT1-S1-FC-**	1	C	4,5mm	5,6mm	0,3mm	0,5mm	NT & BK	228,7m	0,43
LT1-S2-FC-**	2	C	2,5mm	3,1mm	0,3mm	0,5mm	NT & BK	228,7m	0,23
LT1-S3-FC-**	3	C	1,9mm	2,4mm	0,3mm	0,4mm	NT & BK	457,3m	0,25
LT1-S4-FC-**	4	C	1,4mm	1,7mm	0,2mm	0,4mm	NT & BK	457,3m	0,20
LT1-S5-FC-**	5	C	1,1mm	1,4mm	0,2mm	0,4mm	NT & BK	457,3m	0,14

** 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: -55°C to 121°F • Melting point: 248°C • 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	Kgs/ Spool
			Min	Max	Min	Max			
LT2-S1-FA-**	1	A	4,5mm	5,6mm	0,3mm	0,5mm	NT & BK	228,7m	0,36
LT2-S2-FA-**	2	A	2,5mm	3,1mm	0,3mm	0,5mm	NT & BK	228,7m	0,20
LT2-S3-FA-**	3	A	1,9mm	2,4mm	0,3mm	0,4mm	NT & BK	457,3m	0,23
LT2-S4-FA-**	4	A	1,4mm	1,7mm	0,2mm	0,4mm	NT & BK	457,3m	0,18
LT2-S5-FA-**	5	A	1,1mm	1,4mm	0,2mm	0,4mm	NT & BK	457,3m	0,14
LT2-S1-FB-**	1	B	4,5mm	5,6mm	0,3mm	0,5mm	NT,BK,RD	228,7m	0,45
LT2-S2-FB-**	2	B	2,5mm	3,1mm	0,3mm	0,5mm	NT,BK,RD	228,7m	0,25
LT2-S3-FB-**	3	B	1,9mm	2,4mm	0,3mm	0,4mm	NT,BK,RD	457,3m	0,27
LT2-S4-FB-**	4	B	1,4mm	1,7mm	0,2mm	0,4mm	NT,BK,RD	457,3m	0,20
LT2-S5-FB-**	5	B	1,1mm	1,4mm	0,2mm	0,4mm	NT,BK,RD	457,3m	0,14
LT2-S1-FC-**	1	C	4,5mm	5,6mm	0,3mm	0,5mm	NT,BK,RD	228,7m	0,45
LT2-S2-FC-**	2	C	2,5mm	3,1mm	0,3mm	0,5mm	NT,BK,RD	228,7m	0,25
LT2-S3-FC-**	3	C	1,9mm	2,4mm	0,3mm	0,4mm	NT,BK,RD	457,3m	0,27
LT2-S4-FC-**	4	C	1,4mm	1,7mm	0,2mm	0,4mm	NT,BK,RD	457,3m	0,20
LT2-S5-FC-**	5	C	1,1mm	1,4mm	0,2mm	0,4mm	NT,BK,RD	457,3m	0,14

** 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: -73°C to 177°C • Melting point: 250°C
- Finishes: A-No Finish, B-Wax or C-Synthetic Rubber



PTFE-Fluorocarbon (Teflon®) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Kgs/ Spool
			Min	Max	Min	Max			
LT3-S2-FA-BR	2	A	2,7mm	3,4mm	0,2mm	0,4mm	BR	228,7m	0,32
LT3-S4-FA-BR	4	A	1,5mm	1,8mm	0,2mm	0,4mm	BR	457,3m	0,30

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: -73°C to 232°C • Melting point: 327°C • Finishes: A-No Finish

Fiberglass (Glass) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Kgs/ Spool
			Min	Max	Min	Max			
LT4-S1-FD-NT	1	D	5,2mm	6,3mm	0,3mm	0,5mm	NT	228,7m	0,64
LT4-S2-FD-NT	2	D	2,5mm	3,1mm	0,3mm	0,5mm	NT	228,7m	0,50
LT4-S3-FD-NT	3	D	1,9mm	2,4mm	0,3mm	0,5mm	NT	457,3m	0,77
LT4-S4-FD-NT	4	D	1,4mm	1,7mm	0,3mm	0,5mm	NT	457,3m	0,55

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: -55°C to 427°C • Melting point: 1,150°C • Finishes: D-TFE-Fluorocarbon

Meta Aramid (Nomex®) Lacing Tape



Part #	Mil Spec Size	Mil Spec Finish	Width		Thickness		Available Colors	Bulk Spool	Kgs/ Spool
			Min	Max	Min	Max			
LT5-S1-FA-NT	1	A	4,5mm	5,6mm	0,3mm	0,5mm	NT	228,7m	0,34
LT5-S2-FA-NT	2	A	2,5mm	3,1mm	0,3mm	0,4mm	NT	228,7m	0,18
LT5-S3-FA-NT	3	A	1,7mm	2,1mm	0,2mm	0,4mm	NT	457,3m	0,20
LT5-S4-FA-NT	4	A	1,3mm	1,5mm	0,2mm	0,3mm	NT	457,3m	0,16
LT5-S1-FC-NT	1	C	4,5mm	5,6mm	0,3mm	0,5mm	NT	228,7m	0,39
LT5-S2-FC-NT	2	C	2,5mm	3,1mm	0,3mm	0,4mm	NT	228,7m	0,20
LT5-S3-FC-NT	3	C	1,7mm	2,1mm	0,2mm	0,4mm	NT	457,3m	0,23
LT5-S4-FC-NT	4	C	1,3mm	1,5mm	0,2mm	0,3mm	NT	457,3m	0,18

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: -55°C to 260°C • Melting point: 371°C • Finishes: A-No Finish or C-Synthetic Rubber





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.

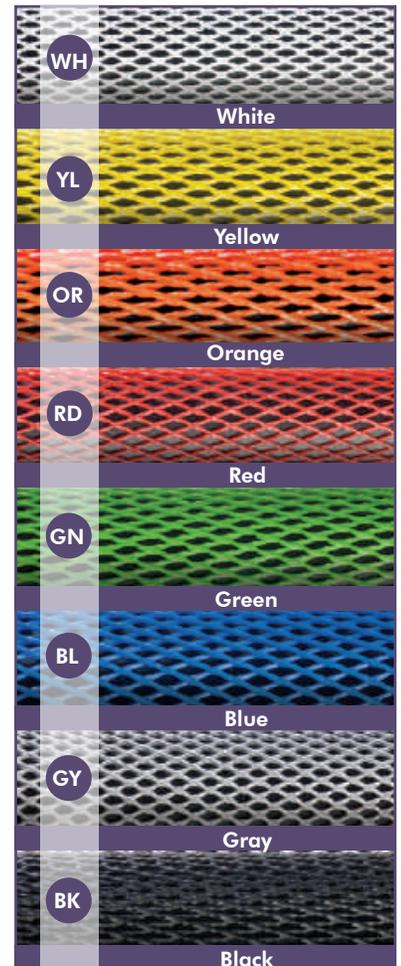
Part Guard can be easily cut down to precise lengths, and accommodate a variety of application diameters.

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	Kgs/100m
			Min.	Max.	Bulk Spool	Shop Spool		
6,4mm	PGE0.25YL	1,5mm	6,4mm	12,7mm	914,6m	7,6m	Yellow (YL)	0,90
12,7mm	PGE0.50BL	1,5mm	12,7mm	25,4mm	838,4m	7,6m	Blue (BL)	1,19
25,4mm	PGE1.00RD	1,5mm	25,4mm	38,1mm	518,3m	7,6m	Red (RD)	2,53
38,1mm	PGE1.50BK	1,5mm	38,1mm	50,8mm	274,4m	7,6m	Black (BK)	6,85
50,8mm	PGE2.00WH	1,5mm	50,8mm	63,5mm	243,9m	7,6m	White (WH)	7,44
12,7mm	PGN0.50WH	2,0mm	12,7mm	31,8mm	152,4m	30,5m	White (WH)	2,23
19,1mm	PGN0.75OR	2,0mm	19,1mm	38,1mm	86,9m	30,5m	Orange (OR)	4,46
25,4mm	PGN1.00BK	2,0mm	25,4mm	50,8mm	71,6m	30,5m	Black (BK)	5,20
31,8mm	PGN1.25GN	2,0mm	31,8mm	63,5mm	50,3m	30,5m	Green (GN)	7,44
38,1mm	PGN1.50YL	2,0mm	38,1mm	76,2mm	50,3m	30,5m	Yellow (YL)	7,74
44,5mm	PGN1.75GY	2,0mm	44,5mm	88,9mm	41,2m	30,5m	Gray (GY)	8,04
50,8mm	PGN2.00BL	2,0mm	50,8mm	108,0mm	33,5m	30,5m	Blue (BL)	9,52

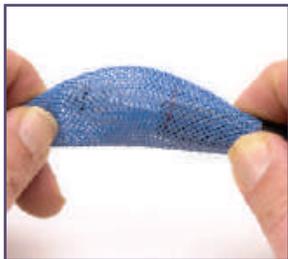
Contact your account representative for automation cutting (free service).

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 38mm-51mm 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 sleeving 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 38mm 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. 19,1mm x 20,1m. 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. 63

Hot Fusion Tape



HFA2.00CL
For more info go to pg. 101

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.

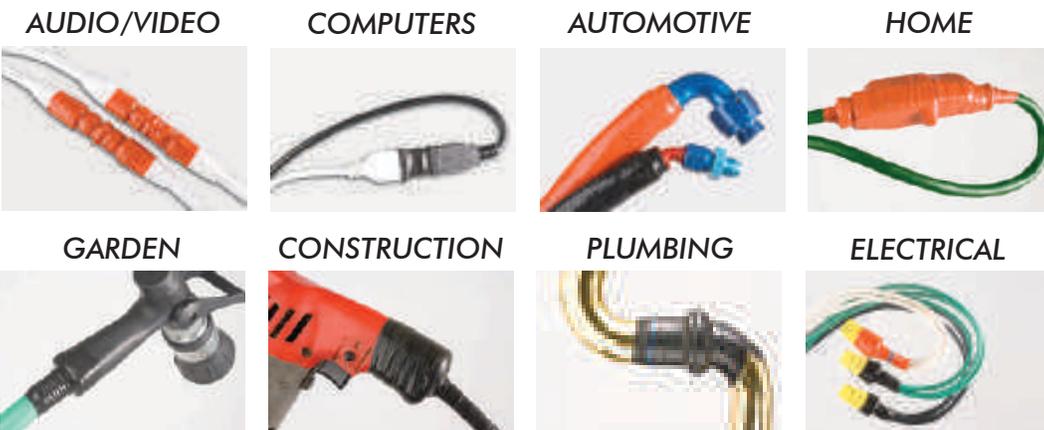
Ideal to keep in a toolbox for emergency repairs on wires or hoses, as a residue free solution to coil extension cords, ropes, and cables, and for a waterproof, heat, and chemical resistant wrap for wiring harnesses and splices.



- **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**



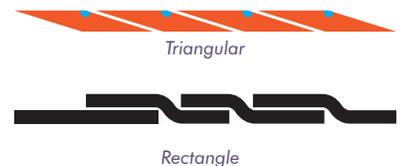
Colored guide line only on triangular type tapes.



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.

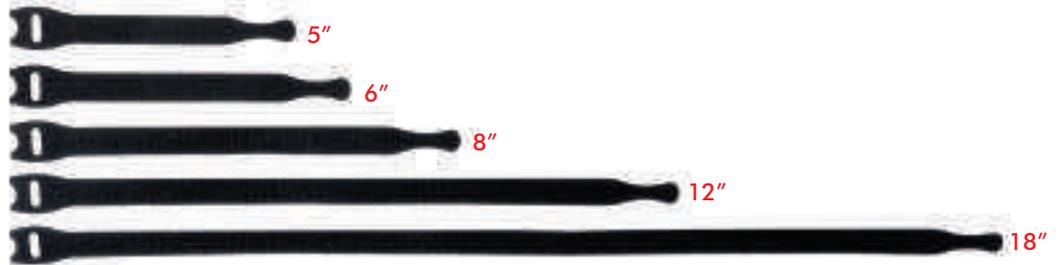


Width	Part #	Wall Thickness	Type	Class	Available Colors	Roll	Kgs/Roll
25,4mm	STA1.00BK36	0,5mm	Triangular	A	BK	11,0m	0,13
25,4mm	STA1.00RD36	0,5mm	Triangular	A	RD	11,0m	0,15
25,4mm	STB1.00BK36	1,0mm	Triangular	B	BK	11,0m	0,26
25,4mm	SRA1.00BK36	0,5mm	Rectangle	A	BK	11,0m	0,20
25,4mm	SRA1.00RD36	0,5mm	Rectangle	A	RD	11,0m	0,23
25,4mm	SRB1.00BK36	1,0mm	Rectangle	B	BK	11,0m	0,34

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
127,0mm	VST5.00	19,1mm	BK,GY,BE,PPBL,GN,YL,OR,RD,WH	1440 Pcs.	250 Pcs.	100 Pcs.
152,4mm	VST6.00	19,1mm	BK,GY,BE,PPBL,GN,YL,OR,RD,WH	1200 Pcs.	250 Pcs.	100 Pcs.
203,2mm	VST8.00	19,1mm	BK,GY,BE,PPBL,GN,YL,OR,RD,WH	900 Pcs.	250 Pcs.	100 Pcs.
304,8mm	VST12.0	19,1mm	BK,GY,BE,PPBL,GN,YL,OR,RD,WH	600 Pcs.	100 Pcs.	50 Pcs.
457,2mm	VST18.0	19,1mm	BK,GY,BE,PPBL,GN,YL,OR,RD,WH	400 Pcs.	100 Pcs.	50 Pcs.

VELCRO® Brand Roll



Width	Part #	Rated Load	Available Colors	Meters/Roll
9,5mm	VRW0.38	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
12,7mm	VRW0.50	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
15,9mm	VRW0.63	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
19,1mm	VRW0.75	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
25,4mm	VRW1.00	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
38,1mm	VRW1.50	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR,OR	22,9
50,8mm	VRW2.00	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR,OR	22,9
76,2mm	VRW3.00	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9
101,6mm	VRW4.00	8,2 kgs	BK,GY,BE,PPBL,GN,YL,RD,WH,BR	22,9

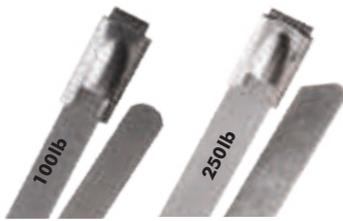
FR VELCRO® Brand One-Wrap® Straps

Flame Retardant VELCRO® brand straps are suitable for plenum applications and are UL flame rated (width=19,1mm). Black (BK) and Cranberry (CR).



Length	Part #	Width	Available Colors	Standard Spool Put-Up		
				Bulk Spool	Shop Spool	Retail Spool
203,2mm	VSF8.00	19,1mm	Black BK & Cranberry CR	900 Pcs.	250 Pcs.	100 Pcs.
304,8mm	VSF12.0	19,1mm	Black BK & Cranberry CR	600 Pcs.	100 Pcs.	50 Pcs.
457,2mm	VSF18.0	19,1mm	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	20" - 100lb	SSS20.0SV	250lb	SSH20.0SV
7½" - 100lb	SSS7.50SV	250lb	SSH7.50SV	27" - 100lb	SSS27.0SV	250lb	SSH27.0SV
14½" - 100lb	SSS14.5SV	250lb	SSH14.5SV				



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**

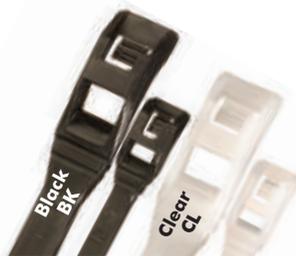


Chrome Ties

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

Nylon® is a registered trademark of DuPont Corporation.



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*

Nylon® is a registered trademark of DuPont Corporation.





Bench Mount Hot Knife

Heavy duty components and a heavy gauge 63,5mm 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 - **RBBO.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 - **RBPO.00SV**



Compact Hot Knife

25mm blade heats to 1,112°F/600°C in less than 10 seconds. 152,4mm long. Weighs under 2 kgs. 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 76,2mm 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](#)



20cm 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 50,8mm. 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



Rapid Install System - Base Unit **IN-EXP**

Rapid Install System - 1,8m Complete Kit-Base Unit with 0,9 - 1,8m Tubes **IN-EXPCL**

Rapid Install System - 0,9m Complete Kit-Base Unit with 0,9m Tubes **IN-EXPCS**

Rapid Install System - Support Bench for 1,8m and 0,9m Systems **IN-EXPSL**

Rapid Install System - Support Bench for 0,9m Systems **IN-EXSS**

Rapid Install System - 0,9m x 12,7mm Tube Assembly **IN-EXPT063**

Rapid Install System - 1,8m x 12,7mm Tube Assembly **IN-EXPT066**



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 - 13,3cm Stainless Steel Tool with Aluminum Bronze T-Bar Nut & Lanyard Extension - **CLT01L**

Safety Wire Light, 304 Stainless Steel (0,64mm); 0,45kg Can (183m) - **SFW.025SV**

Safety Wire Standard, 304 Stainless Steel (0,81mm); 0,45kg Can (110m) - **SFW.032SV**

Safety Wire Heavy, 304 Stainless Steel (1,04mm); 0,45kg Can (67m) - **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 6,4mm F6 Sleeving - **INN0.25OR**

For Installing 12,7mm F6 Sleeving - **INN0.50OR**

For Installing 19,05mm F6 Sleeving - **INN0.75OR**

For Installing 25,4mm F6 Sleeving - **INN1.00OR**

For Installing 38,1mm 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 can be installed on:



*Slot Wall



*Grid Wall



Counter



Wall

*Mounting hardware included.



The display rack holds up to 6 shop spools.



Space saving, easy access design



Engineered for easy and secure wall mounting

1-973-300-9242
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 sleeveings 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 93.

- 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.

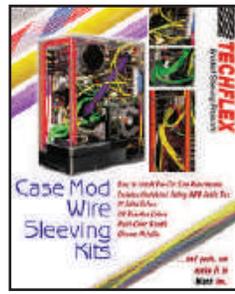


F6 Reflex® Bike Kits

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 200 m 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. FLEXPLO adds an important and comforting level of protection and visibility. Commercial and recreational divers protect and identify their hoses with FLEXPLO 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.

1-973-300-9242
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	0,25mm	0,25mm	0,25mm	0,25mm	0,25mm	0,20-0,38mm	0,25-0,38mm	0,23mm	0,20mm	0,25mm
Flammability Rating*	UL94	UL94	UL94	UL94	UL94	UL94	UL94	UL94	UL94	—
Recommended Cutting	Hot Knife	Hot Knife	Hot Knife	Scissor/HK	Hot Knife					
Colors	30	7	5	5	2	4	1	2	2	4
Wall Thickness	0,64mm	0,64mm	0,64mm	0,64mm	0,64mm	0,61-0,97mm	0,76-0,89mm	0,69mm	0,61mm	0,64mm
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	—								
Oxygen Index ASTM D-2863	21	21	21	21	21	21	21	21	21	—

OPERATING TEMPERATURES

Minimum Continuous	-94°F/-70°C									
Maximum Continuous Mil-I-23053	257°F/125°C									
Melt ASTM D-2117	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									
RoHS	Yes									
SVHC	None									
UL/CSA	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	20	21	22	24	25	26	27
	0,25mm	0,38mm	0,51mm	FLAT FILAMENT 0,51	0,25mm	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
	0,64mm	0,97mm	1,27mm	1,27mm	0,64mm	1,14mm	0,66mm	1,52mm	1,63mm	2,03mm	0,51mm	1,27mm
	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	—	—

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**PRODUCT
COMPARISON**

METAL/SHIELDING



Grade	MBN	MFN	MBS	MBB	MBC	SSN	SSL	FSN	CNN
Page Number	28	29	30	31	31	32	33	34	35

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-2204	0,13-0,25mm	0,13-0,25mm	0,13-0,25mm	0,13mm	0,13mm	0,25-0,40mm	0,13-.025mm	0,25mm	0,28mm
Flammability Rating*	Non Flammable	Self Extinguishing	—						
Recommended Cutting	Shears	Hot Knife							
Colors	1	1	1	1	1	1	1	1	1
Wall Thickness	0,33-0,64mm	NA	0,33-0,64mm	0,33mm	0,33mm	0,64-1,02mm	0,33-0,64mm	0,64mm	0,71mm
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	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	449°F/232°C	449°F/232°C	449°F/232°C	1,700°F/927°C	449°F/232°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 0-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								
RoHS	Yes								
SVHC	None								
UL/CSA	No	Yes	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

ADVANCED ENGINEERING



CCF	FRN	F6V	F6F	FWF	F9T	HTN	TFN	RYN	PKN	PKRY	UFR
36	37	38	39	40	41	42	43	44	45	46	47
0,20mm	0,25mm	0,25mm	0,20-0,38mm	0,25mm	0,23mm	0,28mm	0,41mm	0,20mm	0,25mm	0,20-0,25mm	
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 Wire/Knife	Hot Knife	Hot Knife	Hot Knife					
2	4	1	1	1	1	3	1	2	1	2	
0,61mm	0,64mm	0,69mm	0,61-0,97mm	0,64mm	0,58mm	0,71mm	1,02mm	0,61mm	0,64mm		
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	-94°F/-70°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	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		

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**PRODUCT
COMPARISON**

ADVANCED ENGINEERING

EXTREME TEMPERATURE



Grade	NXN	KVX	KVN	VEN	FGN	FGS	FGL	FHN	Spark Plug	SCN
Page Number	48	50	51	51	52	53	54	55	56	57

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	1	1	1	2	1	2	1	4	
Wall Thickness	0,41mm		0,51mm	0,64mm	0,79-1,55mm	1,27-2,29mm	0,15-0,41mm	0,25-0,61mm	2,16mm	
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 0-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									
RoHS	Yes									
SVHC	None									
UL/CSA	No	No	No	No	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-O RAW MATERIAL

EXTREME TEMPERATURE



FHH	HFN	HSN	VVN	THERMASHIELD	T6F	CNS	TST	SLN	WWH	FIN	FIA
57	58	58	59	60-61	62	63	63	64	65	66	67
NA	NA	NA	NA								
VW-1	Non Flammable	Non Flammable	Non Flammable	Non Flammable							
Scissor	Scissor/Shears	Scissor	Scissor								
1	2	1	1	1	1	1	1	1	1	2	2
0,64-0,89mm	1,59-3,18mm	1,59-3,18mm	1,59mm	See Pg. 60-61	1,07mm	0,64mm	1,73mm	1,52mm	1	1,83mm	2,92mm
—	—	—	—	—	—	—	—	—	—	Extremely High	Extremely High
Med	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								
None	None	None	None	—	—	—	—	None	—	—	—
Yes	No	No	No	No							

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**PRODUCT
COMPARISON**

EXTREME TEMPERATURE

SPECIALTY



Grade	FIW	FIF	SRF	GRF	DGN	L6N	F6Z	NYN	NMN	F6R
Page Number	68	68	69	69	71	72	73	74	75	76
PHYSICAL PROPERTIES										
Monofilament Diameter ASTM D-204	NA	NA	NA	NA		NA	0,38mm	0,30mm	NA	0,20-0,38mm
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	1,14mm	2,39mm	0,36mm	0,15mm		1,17mm	0,97mm	0,76mm	0,76-1,52mm	0,61-0,64mm
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-O RAW MATERIAL

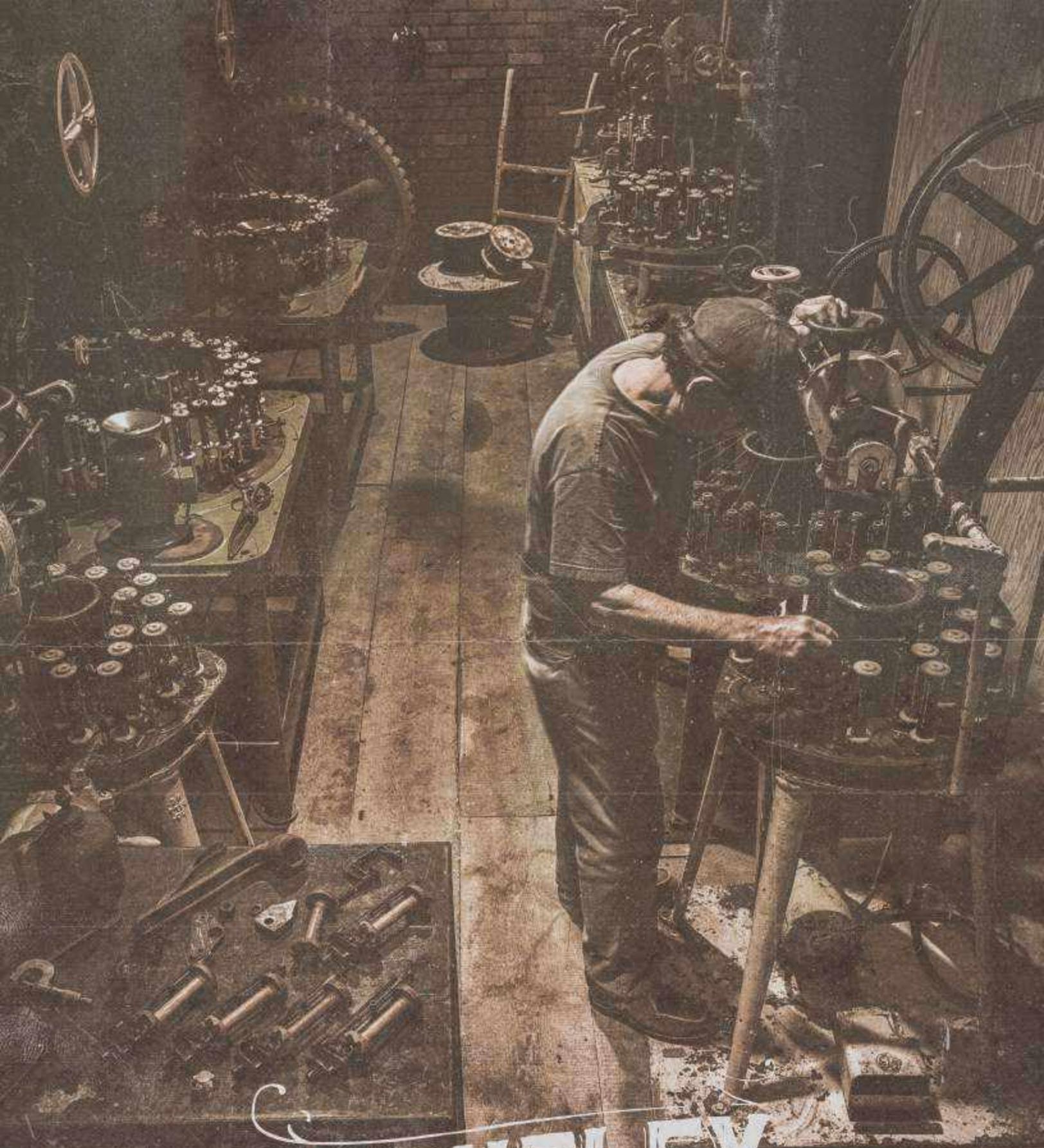
SPECIALTY



	RFN	NRN	F6Q	SKN	FPW	DRN	NSN	MYN/MYE	CHN	CXN	FFN	FTN	CAL/CAN/CAH
	76	77	77	78	80	82	83	84	85	85	86	86	87
	0,25mm	0,25mm	0,20-0,38mm	NA		NA	0,71mm	0,25mm	0,25mm	0,13mm	0,15mm	0,051-0,076mm	NA
	—	UL94	UL94	—		—	—	—	—	—	UL94		Non Flammable
	Hot Knife	Scissor /HK	Scissor /HK	Scissor	Scissor	Scissor	Hot Knife	Scissor					
	2	1	1	1 Reversible	1	1	3	2	1	3	1	1	1
	0,66mm	0,64mm	1,02mm	1,22mm	0,33mm	0,30mm	1,78mm	0,64mm	0,64mm	0,33mm	0,38mm	0,13-0,20mm	0,33-0,76mm
	—	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	—
	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

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