FLEXO® SHIELD

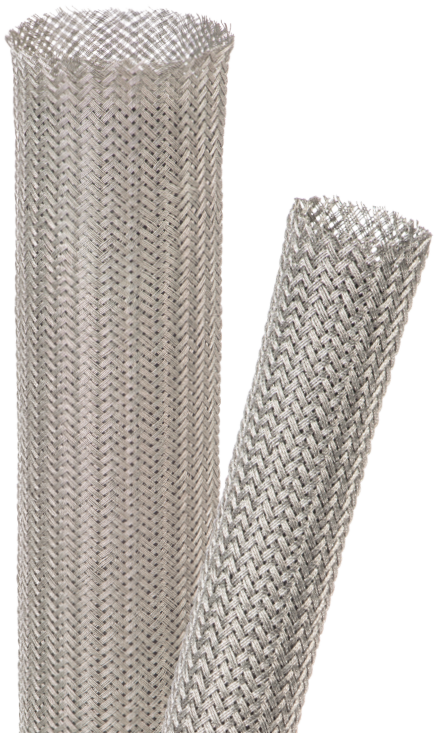
HIGH TEMPERATURE SHIELDED EXPANDABLE SLEEVING
EXCELLENT EMI SHIELDING (1 MHZ TO 1 GHZ) · FLEXIBLE & LIGHTWEIGHT

Flexo® Shield is a high performance EMI (Electromagnetic Interference) shielded, braided expandable sleeving. Flexo® Shield is cut and abrasion resistant, flexible and lightweight. Our sleeving can help fulfill the requirements of the internationally recognized standard CISPR25 for frequencies ranging from 10 KHz to 1 GHz. It does this by assisting in the shielding of wires that are attached to these electronic components which require this rating. The material is also great for hose covering on hot rods and motorcycles. With its high temperature aramid fiber cores and low angle braid, Flexo® Shield can expand and contract to a limited degree to create a perfect fit. Flexo® Shield braid fibers create a sleeve that provides good EMI protection and yields a material with out- standing flex-life. Flexo® Shield is great for applications where light weight and high performance are needed such as: computer systems, electronic office equipment, medical electronics, communication systems and many more. Techflex® Flexo® Shield is intended for high flex, high temperature, and environmentally tough applications, therefore making it appropriate for several aerospace applications.

SIZING CHART

Nominal Size	Part #	Wall Thisckness	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/ 100'
					M	L		
**⅛"	FSN0.13SV	.013"	1/16"	¼"	164'	328'	1	0.74
**⅜"	FSN0.38SV	.013"	¼"	½"	164'	328'	1	1.38
**½"	FSN0.50SV	.013"	⅜"	¾"	164'	328'	1	2.09
**¾"	FSN0.75SV	.013"	½"	1"	164'	328'	1	2.80
1"	FSN1.00SV	.025"	¾"	1¼"	164'	328'	1	2.90
1¼"	FSN1.25SV	.025"	1"	1½"	164'	328'	1	3.40
1½"	FSN1.50SV	.025"	1¼"	1¾"	164'	328'	1	3.90

Put-Ups: **"M" = Shop Spool and **"L"** = Bulk Spool*
***Sizes ⅛" - ¾" = VW-1*



FEATURES

Material	**Aramid & Tinned Copper**
Grade	**FSN**
Monofilament Diameter	**.010"**
Drawing Number	**TF001FSN-WD**
Cutting	**Shears**

COLORS

Silver (SV)

CERTIFICATIONS

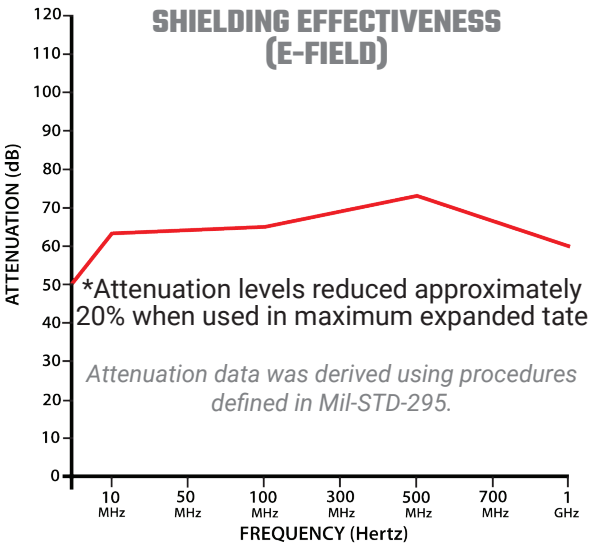
RoHS Compliant

VW-1

TECHFLEX®
Braided Sleeving Products

METAL & SHIELDING
Technical Data Sheet

SHIELDING EFFECTIVENESS (E-FIELD)



*Attenuation levels reduced approximately 20% when used in maximum expanded tate

Attenuation data was derived using procedures defined in Mil-STD-295.

PHYSICAL PROPERTIES

Monofilament Diameter *(ASTM D-204)*	.010”
Flammability Rating *(SAEJ369)*	UL
Recommended Cutting	Shears
Colors	1
Wall Thickness	.013”-.025”
Abrasion	Low
Specific Gravity *(ASTM D-792)*	
Moisture Absorption % *(ASTM D-570)*	
Hard Vacuum Data *(ASTM E-595 at 10-5 torr)*	
TML	
CVCM	
WVR	
Smoke D-Max *(ASTM E-662)*	
Outgassing	
Oxygen Index *(ASTM D-2863)*	

FLAMMABILITY

Rating	UL, VW-1

OPERATING TEMPERATURES

Melt Point *(ASTM D-2117)*	449°F / 232°C
Maximum Continuous	302°F / 150°C
Minimum Continuous	-40°F / -40°C

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water *(0-S-1926)*	1
Hydraulic Fluid *(MIL-H-5606)*	1
Lube Oil *(MIL-L-7808)*	1
De-Icing Fluid *(MIL-A-8243)*	1
Strong Acids	3
Strong Oxidants	2
Esters/Ketones	1
UV Light	1
Petroleum	1
Fungus *(ASTM G-21)*	1
Halogen Free	NA
RoHS	Yes
SVHC	NA

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