



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 outstanding 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 Thickness	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Kgs/100m
					M	L		
**3,2mm	FSN0.13SV	0,33mm	1,6mm	6,4mm	100m	100m	1	1,10
**9,5mm	FSN0.38SV	0,33mm	6,4mm	12,7mm	100m	100m	1	2,05
**12,7mm	FSN0.50SV	0,33mm	9,5mm	19,1mm	100m	100m	1	3,11
**19,1mm	FSN0.75SV	0,33mm	12,7mm	25,4mm	100m	100m	1	4,17
25,4mm	FSN1.00SV	0,64mm	19,1mm	31,8mm	100m	100m	1	4,32
31,8mm	FSN1.25SV	0,64mm	25,4mm	38,1mm	100m	100m	1	5,06
38,1mm	FSN1.50SV	0,64mm	31,8mm	44,5mm	100m	100m	1	5,80

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

**Sizes 3,2mm - 19,1mm = VW-1



FEATURES

Material	Aramid & Tinned Copper
Grade	FSN
Monofilament Diameter	0,25mm
Drawing Number	TF001FSN-WD
Cutting	Shears

COLORS

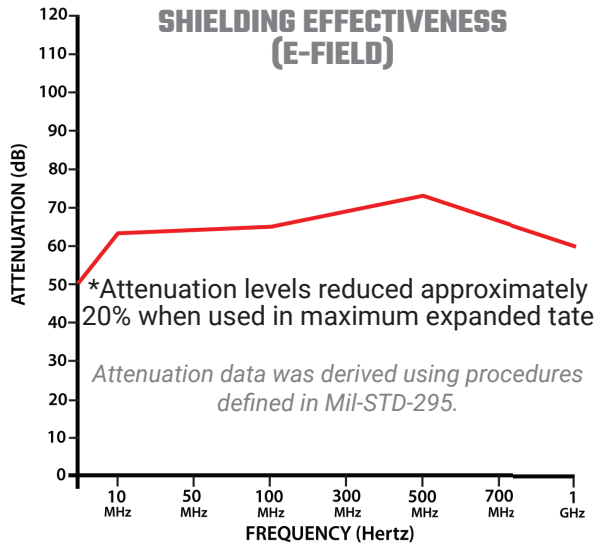


Silver (SV)

CERTIFICATIONS



VW-1



PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.010"
Flammability Rating (SAEJ369)	UL
Recommended Cutting	Shears
Colors	1
Wall Thickness	0,33mm - 0,64mm
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
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	449°F / 232°C
Maximum Continuous (Mil-I-23053)	302°F / 150°C
Minimum Continuous (Mil-I-23053)	-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 (O-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

