SHIELDING **Technical Data Sheet**





- Economical & Easy To Install
- Cut & Abrasion Resistant
- Extremely Flexible And Lightweight
- Flame Retardant
- Cuts With Shears
- Excellent EMI Shielding (1 MHz To 1 GHz)



Material

Aramid & Tinned Copper

Grad	e
FSN	

Monofilament Diameter .010"

Put-Ups Expansion Range Lbs/ 100' Shop Available Nominal Part Bulk Size Colors Spool Spool Min Max 1/4″ 1/8" FSN0.13SV 1/16" 328' n/a Silver 0.74 1.38 3/8" **FSN0.38SV** 1/4" 1/2" 328' n/a Silver 1/2" FSN0.50SV 3/8" 3/4" 328' Silver 2.09 n/a 3/4" FSN0.75SV 1/2" 1″ 328' Silver 2.80 n/a

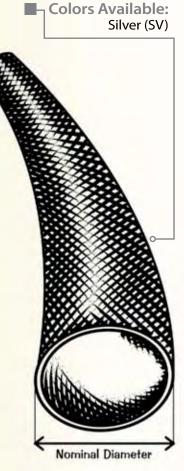
High Temperature Shielded Expandable Sleeving

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.

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.

Flexo Shield sleeving is used where light weight, high performance, high flex and high temperature are nedeed.







SHIELDING **Technical Data Sheet**



FLEXO® SHIELD

	120- 110-	FLEXO SHIELD SHIELDING
	100-	EFFECTIVENESS (E-FIELD)
-	90-	
ATTENUATION (dB)	80-	
ATION A	70-	
ENUN	60-	
ATTA	50-	*
	40-	
	30-	* Attenuation levels reduced approximately
	20-	20% when used in maximum expanded
	10-	state
	0-	10 50 100 300 500 700 1
	Att	FREQUENCY Intertal enuation data was derived using procedures defined in Mil-STD-295.

Chemical Resistance

1=No Effect 4=More Affected 2=Little Effect 5=Severely Affected 3=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/Keytones	1
UV Light	1
Petroleum	
Fungus ASTM G-21	1
Halogen Free	
RoHS	Yes

	700* - 5
Melt Point	800- X
ASTM D-2117 449°F (232°C) —	500°
449 I (232 C) —	400
Maximum Continuous	W
Mil-I-23053	E
302°F (150°C)	200*
	100* - NI
Minimum Continuous	AT AT
-40°F (-40°C)	-100- 23
	-200* 0

UIDI

UL, VW-1 Rating

PHYSICAL

Monofilament Diameter ASTM D-204	.010
Flammability Rating	UL
Recommended Cutting	_Shears
Colors	1
Wall Thickness	.025
Abrasion	Low
Tensile Strength (Yarn) ASTM D-2256 Lbs	
Specific Gravity ASTM D-792	NA
Moisture Absorption % ASTM D-570	NA
Hard Vacuum Data ASTM E-595 at 1	0-5 torr

www.techflex.dk

© 2009 Techflex, Inc. - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex, Inc. is strictly forbidden. Techflex product names and logos are registered trademarks of Techflex, Inc., unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's only obligations are those in standard terms of sale for these products and Techflex will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications. 09-09