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 lightweight 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.

**High Temperature Shielded Expandable Sleeving**

Flexo Shield sleeving is used where lightweight, high performance, high flex and high temperature are needed.

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### Put-Ups

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Part #</th>
<th>Wall Thickness</th>
<th>Expansion Range</th>
<th>Bulk Spool</th>
<th>Shop Spool</th>
<th>Available Colors</th>
<th>Lbs/100'</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>1/8&quot;</em></td>
<td>FSN0.13SV</td>
<td>.013&quot;</td>
<td>1/16&quot; to 1/4&quot;</td>
<td>328'</td>
<td>164'</td>
<td>Silver</td>
<td>0.74</td>
</tr>
<tr>
<td><em>3/8&quot;</em></td>
<td>FSN0.38SV</td>
<td>.013&quot;</td>
<td>1/4&quot; to 1/2&quot;</td>
<td>328'</td>
<td>164'</td>
<td>Silver</td>
<td>1.38</td>
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<tr>
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<td>FSN0.50SV</td>
<td>.013&quot;</td>
<td>3/8&quot; to 3/4&quot;</td>
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<td>164'</td>
<td>Silver</td>
<td>2.09</td>
</tr>
<tr>
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<td>FSN0.75SV</td>
<td>.013&quot;</td>
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<td>FSN1.00SV</td>
<td>.025&quot;</td>
<td>3/4&quot; to 1 1/4&quot;</td>
<td>328'</td>
<td>164'</td>
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<td>328'</td>
<td>164'</td>
<td>Silver</td>
<td>3.90</td>
</tr>
</tbody>
</table>

* = VW-1 Sizes 1/8" - 3/4"
PHYSICAL PROPERTIES

Monofilament Diameter_________ 010
ASTM D-204

Flammability Rating ____________ UL

Recommended Cutting _______ Shears

Colors ________________________ 1

Wall Thickness______________ .025

Abrasión ____________________ Low

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/Ketones__________________ 1

UV Light_______________________ 1

Petroleum________________________ 1

Fungus ASTM G-21_______________ 1

RoHS__________________________ Yes

Melt Point
ASTM D-2117
449°F (232°C)

Maximum Continuous
Mil-I-23053
302°F (150°C)

Minimum Continuous
-40°F (40°C)

SHIELDING EFFECTIVENESS

(E-FIELD)

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

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