



FEATURES

- A highly flexible, radiation cross-linked tubing used for insulating, jacketing and bundling of wire harnesses and components
- Made from flame retardant polyolefin, it has excellent electrical, chemical and physical properties
- Operating temperature range -55°C to 125°C
- Shrink temperature 100°C
- Shrink Ratio 3:1 or 4:1
- Flexible High Shrink
- Military, 3:1 UL Recognised Component



TECHNICAL DATA

| PROPERTY | TEST METHOD | VALUES | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|-----------------|------------------|---------------------|--|--|
| Tensile Strength | ISO 37 | 10.4 MPa min. | | | | | |
| Ultimate Elongation | ISO 37 | 250% max. | | | | | |
| Specific Gravity | ISO 1183 | 1.35 max. | | | | | |
| Heat Shock | ASTM D 2671 (4hrs at 250°C) | No dripping, cracking or flowing | | | | | |
| Heat Ageing | ISO 188 (168hrs at 175°C) | | | | | | |
| Ultimate Elongation | ISO 37 | 150% min. | | | | | |
| Low Temperature Flexibility | ASTM D 2671 (4hrs at -55°C) | No Cracking | | | | | |
| Flammability (Except Clear) | ASTM D 876 | Pass | | | | | |
| Electric Strength | IEC 243 | 20 KV/mm min. | | | | | |
| Corrosion (Copper Contact) | ASTM D 2671 | No corrosion | | | | | |
| Water Absorption | ISO 62 | 0.5% max. | | | | | |
| Fluid Resistance | ISO 1817 | | | | | | |
| <table border="1"> <tr><td>Gasoline</td></tr> <tr><td>Hydraulic Fluid</td></tr> <tr><td>Lubrication Oil</td></tr> <tr><td>Tensile Strength</td></tr> <tr><td>Ultimate Elongation</td></tr> </table> | Gasoline | Hydraulic Fluid | Lubrication Oil | Tensile Strength | Ultimate Elongation | | |
| | Gasoline | | | | | | |
| | Hydraulic Fluid | | | | | | |
| | Lubrication Oil | | | | | | |
| | Tensile Strength | | | | | | |
| Ultimate Elongation | | | | | | | |
| Fungus Resistance | ISO 846 | | | | | | |
| <table border="1"> <tr><td>Tensile Strength</td></tr> <tr><td>Ultimate Elongation</td></tr> </table> | Tensile Strength | Ultimate Elongation | ISO 37 | 10 MPa min. | | | |
| | Tensile Strength | | | | | | |
| Ultimate Elongation | | | | | | | |
| | | 250% min. | | | | | |

SPECIFICATION REFERENCES

| RoHS | MILITARY | UNDERWRITERS LAB | FLAME RETARDANT |
|------|---------------------------------------------------|----------------------------------------------------|-----------------|
| | AMS-DTL 23053/5 DEF STAN 59-97, VG95343 Pt5 | UL Recognised Component (File: E196685 SP3X) | |

3:1

| ORDERING SIZE (mm) | MINIMUM EXPANSION (mm) | MAXIMUM RECOVERED (mm) | FULLY RECOVERED WALL (mm) | STANDARD REEL LENGTH (M) |
|--------------------|------------------------|------------------------|---------------------------|--------------------------|
| 1.5 | 1.5 | 0.5 | 0.45 | 150 |
| 3 | 3.0 | 1.0 | 0.55 | 150 |
| 4.5 | 4.5 | 1.5 | 0.55 | 150 |
| 6 | 6.0 | 2.0 | 0.65 | 75 |
| 9 | 9.0 | 3.0 | 0.75 | 75 |
| 12 | 12.0 | 4.0 | 0.75 | 75 |
| 18 | 18.0 | 6.0 | 0.85 | 75 |
| 24 | 24.0 | 8.0 | 1.00 | 30 |
| 39 | 39.0 | 13.0 | 1.15 | 30 |

4:1

| ORDERING SIZE (mm) | MINIMUM EXPANSION (mm) | MAXIMUM RECOVERED (mm) | FULLY RECOVERED WALL (mm) | STANDARD REEL LENGTH (M) |
|--------------------|------------------------|------------------------|---------------------------|--------------------------|
| 19 | 19 | 4.6 | 1.7 | 1.2 |
| 25.4 | 25.4 | 7.0 | 1.7 | 1.2 |
| 38.1 | 38.1 | 9.5 | 1.7 | 1.2 |
| 50.8 | 50.8 | 14.0 | 1.7 | 1.2 |
| 76.2 | 76.2 | 20.6 | 1.7 | 1.2 |
| 102 | 102 | 36.8 | 1.7 | 1.2 |
| 115 | 115 | 46.0 | 1.7 | 1.2 |

ORDERING

Comes in black. Other colours available upon request for 3:1 only.

COLOURS:

Black (BK)

ORDER CODE:

Product Size Colour
 PF3X / PF4X
 Example: 19mm ID Black 3:1 is PF3X 19 BK