



GSC 3X is High Shrink Ratio Thin Wall Tube suitable for below applications :

GSC Series :

- Light duty wire harnessing for electrical & electronic applications.
- Provides electrical insulation and protection for in-line components.
- Used as strain relief for electrical wire connection.
- Bus-bar insulation for switchgear.
- Color coding for wires, cables, terminals and components.

SPECIFICATIONS:

MIL-1-23053/5 Class 2 & 3, us, UI224
125°C VW1, CSA C22.2

| Technical Specification | | |
|--|------------------------------------|------------|
| PROPERTIES | VALUE | STANDARD |
| Physical | | |
| Tensile Strength | 10 N/mm ² (Mpa) (min.) | ASTM D638 |
| Ultimate Elongation | 200% (min.) | ASTM D638 |
| Water Absorption | 0.15% (max.) | ASTM D570 |
| Longitudinal Change | -10% (max.) | ASTM D638 |
| Thermal | | |
| Operating Temperature | -55°C to +125°C | IEC 216 |
| Low Temperature Flexibility (-55°C for 4 hrs.) | No Cracking | ASTM D2671 |
| Flammability | Pass | UI224 VW1 |
| Electrical | | |
| Dielectric Strength | >15kV/mm. | ASTM D2671 |
| Di-electric Constant | 3.0 (max.) | ASTM D150 |
| Volume Resistivity | 1 x 10 ¹⁴ Ohm.cm (min.) | ASTM D257 |

SELECTION CHART

| Part Number / Size | Supplied I.D. (mm) | Recoverd I.D. (mm) | Recoverd Wall Thickness (mm) | Spools Mtr./Spool |
|--------------------|--------------------|--------------------|------------------------------|-------------------|
| GSC 3X 1.5/0.5 | 1.5 | 0.5 | 0.45 ± 0.10 | 200 |
| GSC 3X 3.0/1.0 | 3.0 | 1.0 | 0.55 ± 0.10 | 100 |
| GSC 3X 4.5/1.5 | 4.5 | 1.5 | 0.60 ± 0.10 | 100 |
| GSC 3X 6.0/2.0 | 6.0 | 2.0 | 0.65 ± 0.10 | 100 |
| GSC 3X 9.0/3.0 | 9.0 | 3.0 | 0.75 ± 0.15 | 100 |
| GSC 3X 12.0/4.0 | 12.0 | 4.0 | 0.75 ± 0.15 | 100 |
| GSC 3X 15.0/5.0 | 15.0 | 5.0 | 0.80 ± 0.15 | 100 |
| GSC 3X 18.0/6.0 | 18.0 | 6.0 | 0.85 ± 0.15 | 100 |
| GSC 3X 24.0/8.0 | 24.0 | 8.0 | 1.00 ± 0.20 | 50 |
| GSC 3X 30.0/10.0 | 30.0 | 10.0 | 1.15 ± 0.20 | 50 |
| GSC 3X 39.0/13.0 | 39.0 | 13.0 | 1.50 ± 0.20 | 50 |
| GSC 3X 50.0/16.0 | 50.0 | 16.0 | 2.50 ± 0.20 | 25 |
| GSC 3X 60.0/20.0 | 60.0 | 20.0 | 2.60 ± 0.20 | 25 |
| GSC 3X 70.0/23.0 | 70.0 | 23.0 | 2.60 ± 0.20 | 25 |
| GSC 3X 80.0/26.0 | 80.0 | 26.0 | 2.60 ± 0.20 | 25 |
| GSC 3X 90.0/30.0 | 90.0 | 30.0 | 2.60 ± 0.20 | 25 |
| GSC 3X 100.0/33.0 | 100.0 | 33.0 | 2.60 ± 0.20 | 25 |

GENERAL PRODUCT PROPERTIES :

- Halogen free, Flame retardant and self-extinguishing
- For Electrical Insulation up to 3.3 kV
- Resistance to chemical, copper corrosion and fungus
- Standard Colors : Black, White, Yellow, Red, Blue Green, Clear and Yellow / Green.
- Shrink ratio 3:1
- UV stabilized
- Meets RoHS Compliance

