Heat shrink tubing for fire hazard environments

thick wall cross-linked polyolefin - 1.5 m bars

GTRF tubings are suitable for use in safety and emergency networks which requires circuit service integrity and/or insulation in fire hazard environments



APPLICATIONS

- Electrical insulation of conductors. cables and accessories in low voltage applications up to 0.6/1 kV
- Mechanical protection of low and medium voltage cables
- Suitable for use in emergency and safety systems on ships, in tunnels, underground, public buildings, power plants, and in low fire hazard environments

FEATURES

- Thick wall cross-linked polyolefin
- High electrical and mechanical resistance
- Halogen-, lead- and aluminium-free
- Non-corrosive
- UV-stabilized against irradiation
- Black



| ref. | item | D/d (mm) | bar length (m) | thick T (mm) | (ness t (mm) | cable/wire diameter range (mm) | pack. (pcs) | min./ mult ord. qty (pcs) |
|---------|-------------------|-------------|----------------------|--------------------|--------------------|---|----------------|---------------------------------------|
| GT50008 | GTRF-8/3-1500/U | 8/3 | 1.5 | 0.6 | 2.0 | 3.5 – 7 | 1 | 1 |
| GT50016 | GTRF-16/5-1500/U | 16/5 | 1.5 | 0.7 | 2.4 | 5.5 – 14.5 | 1 | 1 |
| GT50024 | GTRF-24/8-1500/U | 24/8 | 1.5 | 0.9 | 2.9 | 9 – 21.5 | 1 | 1 |
| GT50032 | GTRF-32/12-1500/U | 32/12 | 1.5 | 1.0 | 4.0 | 13 – 29 | 1 | 1 |
| GT50045 | GTRF-45/16-1500/U | 45/16 | 1.5 | 1.0 | 4.0 | 17.5 – 40.5 | 1 | 1 |
| GT50060 | GTRF-60/22-1500/U | 60/22 | 1.5 | 1.0 | 4.0 | 24 – 54 | 1 | 1 |
| GT50070 | GTRF-70/25-1500/U | 70/25 | 1.5 | 1.0 | 4.0 | 27.5 – 63 | 1 | 1 |

Dielectric strength (IEC 60243) 10 kV/mm (min)

Volume resistivity (IEC 60093) 1×10¹⁰ Ω·cm (min)

Operating temperature -40 °C / 120 °C

Flammability and flame propagation test (EN 60332-1) pass

Smoke density test (IEC 61034) pass

Temperature index (NES 715 Type B) 250 °C (min)

Longitudinal shrink after free recovery ≤ -15%

Density (ISO 1183 method A) 1.5 g/cm³

Tensile strength (ISO37) 8 MPa (min)

Elongation (ISO 37) 200 % (min)

Corrosion (ASTM D 2671 proc. A) No corrosion after 16 hours at 150 °C

Low temperature flexibility (ASTM D 2671 procedure C) No cracking after 4 hours at -40 °C

Hardness (ISO 868) ≥ 40 SHORE D



- Supplied diameter (before shrinkage)
- Thickness before shrinkage Т
- Recovered diameter (after free shrinkage)
- Recovered thickness (after free shrinkage)







Shrink ratio

Compliant to Directive EU 2015/863 (RoHS 3)

Halogen free