



DM-SC MEDIUM VOLTAGE TUBING

Stress control heat shrink tubing

Applications

Ideal for external insulation and protection of power cable Termination and joint up to 25KV.

Features

Cross-linked polyolefin.
Effective electrical stress control tubing
Voltage class: 5-25KV
Operating temperature: -55°C to +105 °C

Various

Shrink temperature: 125 °C
Standard color: Black.



Technical Data

| Property | | Test Method | Values |
|------------|---|-------------|------------------------|
| Physical | Tensile strength | ASTM D2671 | ≥14 MPa |
| | Elongation at break | ASTM D2671 | ≥350% |
| | Tensile strength at aging (136°C/168hrs) | ASTM D2671 | ≥10 MPa |
| | Elongation at break at aging (136°C/168hrs) | ASTM D2671 | ≥250% |
| | Thermal endurance | IEC216 | 105°C |
| | Water absorption (23°C/336hrs) | ASTM D570 | ≤1% |
| | Density | ASTM D2671 | 1.3-1.4 |
| | Low Temperature flexibility (-40°C/4hrs) | ASTM D2671 | No cracking |
| | Heat shock (200°C/30mins) | ASTM D2671 | No splitting |
| Electrical | Dielectric constant | IEC250 | ≥20 |
| | Volume resistivity | ASTM D2671 | ≥10 ¹⁰ Ω.cm |
| | Loss factor (50Hz) | IEC250 | 1.0 max (1000V) |
| | Dielectric constant stability | 15000hrs | ≥15 |

Dimensions

| As Supplied (mm) | After Recovery (mm) | | Standard length |
|--------------------------|--------------------------|--------------------------|-----------------|
| Inside Diameter Min. (D) | Inside Diameter Min. (D) | Wall Thickness Min. (WT) | m/roll |
| 16 | 8 | 1.8 | 1.22 |
| 20 | 10 | 1.9 | 1.22 |
| 26 | 12 | 2.3 | 1.22 |
| 30 | 15 | 2.4 | 1.22 |
| 35 | 17 | 2.4 | 1.22 |
| 45 | 20 | 2.6 | 1.22 |
| 50 | 25 | 2.7 | 1.22 |
| 66 | 30 | 3.1 | 1.22 |
| 95 | 45 | 3.4 | 1.22 |

*Spools as standards. 1 m. or 1,22 m. sticks, special spool lengths or cut pieces available on request.