

Power Cable Accessories

C107 Plastic Insulation/Elastomeric Insulation Double Layer Heat Shrink Tube

Introduction

Co-extrusion design, thermoplastic insulation/elastomeric insulation double layer heat shrink tube. The elastomeric layer is designed to have a fast shrinkage rate to avoid overheating damage. Suitable for insulation protection of power cable joint under 36kV.

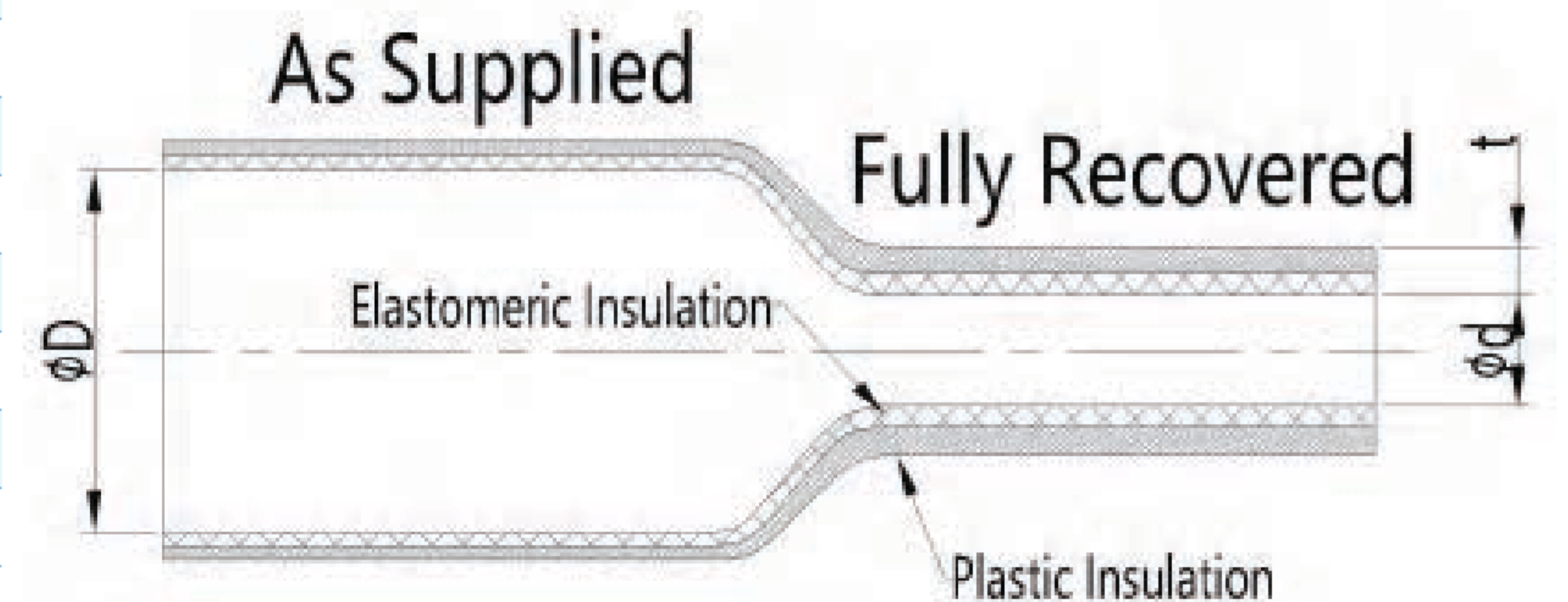
Features

- Operating temperature: -55 to 105°C
- Minimum fully recovery temperature: 150°C
- Voltage class: 6kV ~ 36kV
- Halogen-free, RoHS compliant, Ultra heavy wall
- Plastic insulation and Elastomeric Insulation
- Standard Color: Red



Dimension

| Part No. C107 | As supplied(mm) | After recovered (mm) | | Standard length (m/pc) |
|------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| | Inner diameter D (min.) | Inner diameter d (max.) | Wall thickness t (nom.) | |
| 35/13 | 35 | 13 | 11.0 | ≤ 1.22 |
| 45/17 | 45 | 17 | 12.0 | ≤ 1.22 |
| 50/21 | 50 | 21 | 12.0 | ≤ 1.22 |
| 63/26 | 63 | 26 | 12.5 | ≤ 1.22 |
| 75/34 | 75 | 34 | 12.5 | ≤ 1.22 |
| 85/34 | 85 | 34 | 12.5 | ≤ 1.22 |
| 95/42 | 95 | 42 | 13.5 | ≤ 1.22 |
| 110/52 | 110 | 52 | 14.0 | ≤ 1.22 |
| 125/62 | 125 | 62 | 14.0 | ≤ 1.22 |



Technical Data

| Property | Test Method | Requirement |
|--|-------------|-----------------------------|
| Outer Layer (Plastic Insulation, red) | | |
| Tensile Strength | ASTM D 2671 | ≥ 12 MPa |
| Ultimate Elongation | ASTM D 2671 | ≥ 350% |
| Heat Aging (136°C/168h) | ASTM D 2671 | |
| Tensile Strength | | ≥ 10 MPa |
| Ultimate Elongation | | ≥ 270% |
| Water absorption (23°C/24h) | ASTM D 570 | ≤ 0.5% |
| Low-temperature flexibility (-40°C/4h) | ASTM D 2671 | No cracking |
| Heat shock (200°C/4h) | ASTM D 2671 | No dripping or flowing |
| Dielectric strength | ASTM D 2671 | ≥ 15 kV/mm |
| Volume resistivity | ASTM D 2671 | ≥ 1 × 10 ¹³ Ω.cm |
| Inner Layer (Elastomeric Insulation, red) | | |
| Tensile Strength | ASTM D2671 | ≥ 6 MPa |
| Ultimate Elongation | ASTM D 2671 | ≥ 270% |
| Heat Aging (136°C/168h) | ASTM D 2671 | |
| Tensile Strength | | ≥ 4.2 MPa |
| Ultimate Elongation | | ≥ 200% |
| Water absorption (23°C/24h) | ASTM D 570 | ≤ 0.5% |
| Low-temperature flexibility (-40°C/4h) | ASTM D 2671 | No cracking |
| Heat shock (200°C/4h) | ASTM D 2671 | No dripping or flowing |
| Dielectric strength | ASTM D 2671 | ≥ 15 kV/mm |
| Volume resistivity | ASTM D 2671 | ≥ 1 × 10 ¹³ Ω.cm |

Note: Use standard samples for testing