

STRESS CONTROL AND INSULATION TUBES

C101 Non Tracking Heat Shrink Tube for Cable Terminations

Red anti tracking outer insulation for indoor and outdoor terminations and joints from 6 kV to 36 kV



Voltage Range	6 kV to 36 kV
Operating Temperature	-55 to 105 °C
Full Recovery Temperature	125 °C minimum
Shrink Ratio	2:1 and 3:1
Standard Colour	Red with other colours on request
Cross Reference	TE Raychem HVOT

Introduction

Cross-linked polyolefin, with or without adhesive liner. Excellent resistance to electrical tracking and creeping corrosion. Suitable for insulation protection of indoor and outdoor power cable terminations or joints in voltage range from 6KV to 36KV

Features

- Operating temperature: -55 to 105°C
- Minimum fully recovery temperature: 125°C
- Halogen-free, RoHS compliant, Flame-retardant
- Single or Dual wall (adhesive liner) optional
- Shrink ratio: 2:1 & 3:1
- Standard Color: Red, Other colors optional
- Equivalent to TE HVOT

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥8 MPa
Ultimate Elongation	ASTM D2671	≥200%
Secant modulus 2%	ASTM D2671	≤170 MPa
Heat Aging (150°C/168h) Tensile Strength Ultimate Elongation	ASTM D2671	≥8 MPa ≥100%
Water absorption (23°C/24h)	ASTM D2671	≤0.5%
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking
Heat shock (200°C/4h)	ASTM D2671	No cracking, dripping or flowing
Dielectric strength	ASTM D2671	≥15 kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 ¹² Ω·cm
Tracking and erosion resistance	ASTM D2303	After 1hr at 2.5kV, and 1hr at 2.75kV, and 1hr at 3.00kV, and 20mins at 3.25kV. No burn penetration, no sustained burning
Flammability	ASTM D2863	OI ≥25
Color fastness to light	IEC 60684-3	The color does not change between exposed and unexposed parts

Dimensions

Size C101	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m/pcs)
19/6	19	6	2.5	Spool or ≤1.5
30/10	30	10	3	Spool or ≤1.5
38/12	38	12	3	Spool or ≤1.5
40/16	40	16	3	Spool or ≤1.5
45/18	45	18	3	Spool or ≤1.5
55/21	55	21	3	Spool or ≤1.5
65/28	65	28	3	Spool or ≤1.5
75/36	75	36	3	≤1.5
85/40	85	40	3.2	≤1.5
100/40	100	40	3.6	≤1.5
130/50	130	50	3.7	≤1.5

Cross Reference

Tyco-Raychem: HVOT

Enquiries • enquiry@upolymer.com • WhatsApp +86 159 4096 9469 • Dalian United Polymer Material Co., Ltd., Shihe Industrial Park, Puwan New District, Dalian Liaoning 116101 China