

STRESS CONTROL AND INSULATION TUBES

C102-35 Stress Control Heat Shrink Tube up to 36 kV

The 36 kV stress control layer with a dielectric constant of 25 to 50 for 26/35 kV terminations and joints



Voltage Class	36 kV
Operating Temperature	-55 to 105 °C
Full Recovery Temperature	125 °C minimum
Shrink Ratio	2.5:1
Dielectric Constant	25 to 50 per IEC 62631-2-1
Cross Reference	TE Raychem JSCR

Introduction

Stress control heat shrink tube.Electrical stress control protection of power cable termination and joint under 36kV.

Features

- Operating temperature: -55 to 105°C
- Minimum fully recovery temperature: 125°C
- Voltage class: 36kV
- Effective electrical stress control
- Single or Dual wall optional
- Shrink ratio: 2.5:1
- Standard Color: Black

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥12 MPa
Ultimate Elongation	ASTM D2671	≥300%
Heat Aging (136°C/168h) Tensile Strength Ultimate Elongation	ASTM D2671	≥10 MPa ≥250%
Water absorption (23°C/24h)	ASTM D2671	≤1.0%
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking

Property	Test Method	Requirement
Heat shock (200°C/4h)	ASTM D2671	No splitting
Volume resistivity	ASTM D2671	$\geq 1.0 \times 10^9 \Omega \cdot \text{cm}$
Dielectric constant	IEC 62631-2-1	25 to 50
Loss factor(50Hz)	IEC 62631-2-1	≤ 1.0 (1000V)

Dimensions

Size C102-35	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m/pcs)
26/10	26	10	2.7	Spool or ≤ 1.5
30/12	30	12	2.8	Spool or ≤ 1.5
35/14	35	14	2.9	Spool or ≤ 1.5
40/16	40	16	3	Spool or ≤ 1.5
47/18	47	18	3	Spool or ≤ 1.5
55/21	55	21	3.1	≤ 1.5
65/24	65	24	3.2	≤ 1.5
85/30	85	30	3.4	≤ 1.5
95/45	95	45	3.2	≤ 1.5

Cross Reference

Tyco-Raychem: JSCR

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