

MOLDED CABLE PARTS

Y3 Non Tracking Heat Shrink Rain Sheds for Outdoor Terminations

Red anti tracking skirts with mastic collars that build creepage distance on outdoor terminations from 1 kV to 36 kV



Voltage Range	1 kV to 36 kV
Operating Temperature	-55 to 105 °C
Full Recovery Temperature	150 °C minimum
Material	Non tracking cross linked polyolefin
Adhesive	Mastic applied to collars
Standard Colour	Red

Introduction

Cross-linked polyolefin, non-tracking, mastic applied to collars.Suitable for insulation of outdoor power cable termination.

Features

- Operating temperature: -55 to 105°C
- Minimum fully recovery temperature: 150°C
- Voltage class: 1kV ~ 36kV
- Non-tracking, UV and weather resistance
- Adhesive liner
- Standard Color: Red
- Equivalent to TE SSC, ESC

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 ≥200%
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 dripping or flowing
Dielectric strength	ASTM D2671	≥15 kV/mm
Volume resistivity	ASTM D2671	≥1.0×10 ¹³ Ω·cm
Tracking and erosion resistance	ASTM D2303	After 1hr at 2.5kV, and 1hr at 2.75kV, No burn penetration, no sustained burning
Note: Use standard samples for testing		

Dimensions

Size Y3	As supplied(mm) Inner diameter D2 (±10%)	After recovered (mm) Inner diameter D2 (max.)	Diameter D1 (nom.)	H (min.)	Wall thickness W (nom.)
30/12	30	12	95	18	3
35/14	35	14	95	18	3
45/19	45	19	120	20	3
50/19	50	19	120	20	3
60/23	60	23	130	20	3
75/30	75	30	140	22	3
110/50	110	50	175	28	3
130/65	130	65	200	30	3
160/80	168	80	245	30	3
180/80	180	80	245	30	3

Cross Reference

Tyco-Raychem: SSC/ESC

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