

MEDIUM AND HEAVY WALL TUBING

S3(n) Medium Wall Halogen Free Heat Shrink Tube

Halogen free medium wall polyolefin tubing with 3:1 and 4:1 shrink for insulating sealing and protecting cable to 36 kV



Voltage Range	1 kV to 36 kV
Operating Temperature	-55 to 110 °C
Full Recovery Temperature	125 °C minimum
Shrink Ratio	3:1 and 4:1
Compliance	Halogen free and RoHS
Wall	Single or adhesive lined dual wall

Introduction

Medium wall halogen-free polyolefin shrink tubing, with or without adhesive liner. Excellent insulation, mechanical protection and sealing of low voltage power cable joints and terminations.

Features

- Operating temperature: -55 to 110°C
- Minimum fully recovery temperature: 125°C
- Shrink ratio: 3:1 & 4:1
- Halogen-free, RoHS compliant
- Single or Dual wall optional
- Standard Color: Black, Other colors optional
- Voltage class: 1kV ~ 36kV

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 (-55°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 ¹⁴ Ω·cm
Copper corrosion	ASTM D2671	No corrosion

Dimensions

Size S3(n)	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m/pcs)
8/2	8	2	1.8(with glue)	1.0/1.22
9/3	9	3	1.9(with glue)	1.0/1.22
12/4	12	4	2.2(with glue)	1.0/1.22
16/5	16	5	2.5(with glue)	1.0/1.22

Size S3(n)	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	2.4	1.0/1.22
22/6	22	6	2.4	1.0/1.22
25/8	25	8	2.5	1.0/1.22
28/6	28	6	2.9	1.0/1.22
33/8	33	8	2.9	1.0/1.22
35/12	35	12	2.6	1.0/1.22
40/12	40	12	2.8	1.0/1.22
45/13	45	13	2.9	1.0/1.22
55/16	54	16	3	1.0/1.22
65/19	65	19	3	1.0/1.22
75/22	75	22	3	1.0/1.22
85/25	85	25	3	1.0/1.22
95/25	95	25	3.2	1.0/1.22
105/30	105	30	3.2	1.0/1.22
115/34	115	34	3.2	1.0/1.22
130/36	130	36	3.2	1.0/1.22
140/42	140	42	3.3	1.0/1.22
160/50	160	50	3.4	1.0/1.22
175/58	175	58	3.4	1.0/1.22
200/65	200	65	3.5	1.0/1.22
230/75	230	75	3.5	1.0/1.22
260/85	260	85	3.5	1.0/1.22
300/100	300	100	4	1.0/1.22

Cross Reference

Tyco-Raychem: MWTM /BSTS/ SST-M

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