

MEDIUM AND HEAVY WALL TUBING

S3(nh) Heavy Wall Halogen Free Heat Shrink Tube

Thickened halogen free polyolefin tubing where the same fire performance is needed with far more mechanical protection



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	Heavy wall thickened design

Introduction

Heavy wall halogen-free polyolefin shrink tubing, thickened design, 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(nh)	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m/pcs)
9/3	9	3	2.5(with glue)	1.0/1.22
13/4	12	4	2.8(with glue)	1.0/1.22
16/5	16	5	3.0(with glue)	1.0/1.22
19/6	19	6	2.6	1.0/1.22

Size S3(nh)	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m/pcs)
22/6	22	6	3	1.0/1.22
25/8	25	8	3	1.0/1.22
28/6	28	6	3.4	1.0/1.22
33/8	33	8	3.4	1.0/1.22
35/12	35	12	4.1	1.0/1.22
40/12	40	12	4.1	1.0/1.22
45/13	45	13	4.2	1.0/1.22
55/16	54	16	4.3	1.0/1.22
65/19	65	19	4.4	1.0/1.22
75/22	75	22	4.4	1.0/1.22
85/25	85	25	4.5	1.0/1.22
95/29	95	29	4.5	1.0/1.22
105/30	105	30	4.6	1.0/1.22
115/34	115	34	4.6	1.0/1.22
130/36	130	36	4.8	1.0/1.22
140/42	140	42	4.8	1.0/1.22
160/50	160	50	4.8	1.0/1.22
175/58	175	58	4.8	1.0/1.22
200/65	200	65	4.8	1.0/1.22
230/75	230	75	4.8	1.0/1.22
260/85	260	85	4.8	1.0/1.22

Cross Reference

Tyco-Raychem: SST/WCSM / XCSM

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