

MEDIUM AND HEAVY WALL TUBING

S3(h) Heavy Wall Flame Retardant Heat Shrink Tube

The toughest tube in the S3 family combining flame retardant marine formulation with a thickened heavy wall



Voltage Range	1 kV to 36 kV
Operating Temperature	-55 to 110 °C
Full Recovery Temperature	135 °C minimum
Shrink Ratio	3:1 and 4:1
Compliance	Flame retardant and RoHS
Wall	Heavy wall thickened design

Introduction

Heavy wall flame-retardant polyolefin shrink tubing, thickened design, with or without adhesive liner. Excellent insulation, mechanical protection and sealing for outdoor electrical equipment and connections in wet and underground environments such as marine vessels, off-shore oil platform, shipyard and harbor applications.

Features

- Operating temperature: -55 to 110°C
- Minimum fully recovery temperature: 135°C
- Shrink ratio: 3:1 & 4:1
- Environmental friendly, RoHS compliant, Flame-retardant
- 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	≥10.4 MPa
Ultimate Elongation	ASTM D2671	≥300%
Heat Aging (158°C/168h) Tensile Strength Ultimate Elongation	ASTM D2671	≥7.3 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
Flammability	UL224	VW-1

Dimensions

Size S3(h)	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m)
9/3	9	3	2.5(with glue)	1.0/1.22
13/4	12	4	2.8(with glue)	1.0/1.22

Size S3(h)	As supplied(mm) Inner diameter D (min.)	After recovered (mm) Inner diameter d (max.)	Wall thickness t (nom.)	Standard length (m)
16/5	16	5	3.0(with glue)	1.0/1.22
19/6	19	6	2.6	1.0/1.22
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: FCSM/SST-FR

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