

# Medium and Heavy Wall Heat Shrink

## S3 Medium Wall Flame-retardant Heat Shrink Tube

### Introduction

Medium wall flame-retardant polyolefin shrink tubing, 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
- Environmental friendly, RoHS compliant
- Standard Color: Black, Other colors optional
- Shrink ratio: 3:1 & 4:1
- Single or Dual wall optional
- Voltage class: 1kV ~ 36kV
- Flame-retardant

### Dimension

Part No. S3	As supplied(mm)	After recovered (mm)		Standard length (m/pc)
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	
8/2	8	2	1.7(with glue)	1.0/1.22
9/3	9	3	1.8(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
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	2.7	1.0/1.22
45/13	45	13	2.8	1.0/1.22
55/16	54	16	2.9	1.0/1.22
65/19	65	19	2.9	1.0/1.22
75/22	75	22	2.9	1.0/1.22
85/25	85	25	2.9	1.0/1.22
95/25	95	25	3.3	1.0/1.22
115/34	115	34	3.3	1.0/1.22
130/36	130	36	3.4	1.0/1.22
140/42	140	42	3.4	1.0/1.22
160/50	160	50	3.5	1.0/1.22
175/58	175	58	3.5	1.0/1.22
200/65	200	65	3.6	1.0/1.22
230/75	230	75	3.6	1.0/1.22
260/85	260	85	3.6	1.0/1.22

### Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥ 10.4 MPa
Ultimate Elongation	ASTM D2671	≥ 300%
Heat Aging (158°C/168h)	ASTM D 2671	
Tensile Strength		≥ 10.4 MPa
Ultimate Elongation		≥ 200%
Water absorption (23°C/24h)	ASTM D 2671	≤ 0.5%
Low-temperature flexibility (-55°C/4h)	ASTM D 2671	No cracking
Heat shock (200°C/4h)	ASTM D 2671	No cracking, dripping or flowing
Dielectric strength	ASTM D 2671	≥ 15 kV/mm
Volume resistivity	ASTM D 2671	≥ 1×10 <sup>14</sup> Ω.cm
Flammability	UL224	VW-1

