

Medium and Heavy Wall Heat Shrink

S3(nh) Heavy Wall Halogen Free Heat Shrink Tube

Introduction

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

Dimension

Part No. S3(nh)	As supplied(mm)	After recovered (mm)		Standard length (m/pc)
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t (nom.)	
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
22/6	22	6	2.6	1.0/1.22
25/8	25	8	2.8	1.0/1.22
28/6	28	6	3.3	1.0/1.22
33/8	33	8	3.3	1.0/1.22
35/12	35	12	3.5	1.0/1.22
40/12	40	12	3.5	1.0/1.22
45/13	45	13	3.6	1.0/1.22
55/16	54	16	3.6	1.0/1.22
65/19	65	19	3.6	1.0/1.22
75/22	75	22	3.6	1.0/1.22
85/25	85	25	3.6	1.0/1.22
95/25	95	25	3.6	1.0/1.22
105/30	105	30	3.6	1.0/1.22
115/34	115	34	3.7	1.0/1.22
130/36	130	36	3.8	1.0/1.22
140/42	140	42	3.8	1.0/1.22
160/50	160	50	4.0	1.0/1.22
175/58	175	58	4.0	1.0/1.22
200/65	200	65	4.2	1.0/1.22
230/75	230	75	4.4	1.0/1.22
260/85	260	85	4.8	1.0/1.22

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥ 12 MPa
Ultimate Elongation	ASTM D2671	≥ 300%
Heat Aging (136°C/168h)	ASTM D 2671	
Tensile Strength		≥ 10 MPa
Ultimate Elongation		≥ 200%
Water absorption (23°C/24h)	ASTM D 570	≤ 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 ¹⁴ Ω.cm
Copper corrosion	ASTM D 2671	No corrosion

