

Flexible, Halogen Free Polyolefin Heat Shrink Tubing

pro-POWER

RoHS
Compliant



Features

- Halogen Free
- Operating temperature : -55°C to +125°C
- Min. shrink temperature : 70°C
- Full recovery temperature : +125°C
- Shrink ratio 2:1
- Standard Colour : Grey
- Meets Sony-SS-00259

Applications

The heat shrink tubing is manufactured with modified radiation cross-linked polyolefin. The specially designed halogen free formulation makes the tubing very flexible and shrinks at lower temperature. Suitable for applications where temperature sensitive components protection, e.g. PVC jacketed wire and cable and quick shrinkage is required. It has good mechanical and electrical performances.

Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D2671	≥10.4 Mpa
Ultimate Elongation	ASTM D2671	≥200%
Longitudinal Shrinkage	UL 224	±5%
Heat Aging Tensile Strength Ultimate Elongation	158°C, 168 hour	≥7.3 Mpa ≥100%
Heat Shock	250°C, 4 hrs	No cracking, No dripping
Flammability	FMVSS302	Pass
Dielectric Strength	ASTM D150	≥15kV/mm
Volume Resistivity	ASTM D2671	≥1×10 ¹⁴ Ω-cm
Copper Stability	UL224	pass
Copper Corrosion	UL224	No corrosion

Product Dimensions

Part Number	Size (mm)	As supplied		After Recovery	
		Internal diameter (mm)	Wall thickness (mm)	Internal diameter Max. (mm)	Wall thickness (mm)
13633GRY	1.6	1.5 ±0.2	0.2 ±0.05	0.65	0.36 ±0.1
13634GRY	2.4	2.5 ±0.2	0.2 ±0.05	1	0.45 ±0.1
13635GRY	3.2	3.5 ±0.2	0.2 ±0.05	1.5	0.45 ±0.1
13636GRY	4.8	5 ±0.2	0.28 ±0.05	2.3	0.56 ±0.1
13637GRY	6.4	6.5 ±0.2	0.28 ±0.05	3	0.56 ±0.1
13638GRY	9.5	9.5 ±0.3	0.3 ±0.08	4.5	0.56 ±0.1
13639GRY	12.7	12.5 ±0.3	0.3 ±0.08	6	0.56 ±0.1
13640GRY	19	19 ±0.5	0.35 ±0.1	9	0.7 ±0.1

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

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Part Number	Size (mm)	As supplied		After Recovery	
		Internal diameter (mm)	Wall thickness (mm)	Internal diameter Max. (mm)	Wall thickness (mm)
13641GRY	25.4	26 ±0.5	0.45 ±0.12	12.5	0.9 ±0.15
13642GRY	38.1	41.5 ±1	0.5 ±0.12	20	1 ±0.15
13643GRY	50.8	≥50	0.5 ±0.15	25	1.1 ±0.2
13644GRY	1.6	1.5 ±0.2	0.2 ±0.05	0.65	0.36 ±0.1
13645GRY	2.4	2.5 ±0.2	0.2 ±0.05	1	0.45 ±0.1
13646GRY	3.2	3.5 ±0.2	0.2 ±0.05	1.5	0.45 ±0.1
13647GRY	4.8	5 ±0.2	0.28 ±0.05	2.3	0.56 ±0.1
13648GRY	6.4	6.5 ±0.2	0.28 ±0.05	3	0.56 ±0.1
13649GRY	9.5	9.5 ±0.3	0.3 ±0.08	4.5	0.56 ±0.1
13650GRY	12.7	12.5 ±0.3	0.3 ±0.08	6	0.56 ±0.1
13651GRY	19	19 ±0.5	0.35 ±0.1	9	0.7 ±0.1
13652GRY	25.4	26 ±0.5	0.45 ±0.12	12.5	0.9 ±0.15
13653GRY	38.1	41.5 ±1	0.5 ±0.12	20	1 ±0.15
13654GRY	50.8	≥50	0.5 ±0.15	25	1.1 ±0.2

Part Number Table

Description	Package	Part Number
Heatshrink, 2:1, 1.6mm, Grey	100m	13633GRY
Heatshrink, 2:1, 2.4mm, Grey		13634GRY
Heatshrink, 2:1, 3.2mm, Grey		13635GRY
Heatshrink, 2:1, 4.8mm, Grey		13636GRY
Heatshrink, 2:1, 6.4mm, Grey		13637GRY
Heatshrink, 2:1, 9.5mm, Grey		13638GRY
Heatshrink, 2:1, 12.7mm, Grey		13639GRY
Heatshrink, 2:1, 19mm, Grey		13640GRY
Heatshrink, 2:1, 25.4mm, Grey		50m
Heatshrink, 2:1, 38.1mm, Grey	13642GRY	
Heatshrink, 2:1, 50.8mm, Grey	25 m	

Description	Package	Part Number
Heatshrink, 2:1, 1.6mm, Grey	5m	13644GRY
Heatshrink, 2:1, 2.4mm, Grey		13645GRY
Heatshrink, 2:1, 3.2mm, Grey		13646GRY
Heatshrink, 2:1, 4.8mm, Grey		13647GRY
Heatshrink, 2:1, 6.4mm, Grey		13648GRY
Heatshrink, 2:1, 9.5mm, Grey		13649GRY
Heatshrink, 2:1, 12.7mm, Grey		13650GRY
Heatshrink, 2:1, 19mm, Grey		13651GRY
Heatshrink, 2:1, 25.4mm, Grey		13652GRY
Heatshrink, 2:1, 38.1mm, Grey		13653GRY
Heatshrink, 2:1, 50.8mm, Grey		13654GRY

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