

Flexible, Halogen Free Polyolefin Heat Shrink Tubing

multicomp PRO

**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

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Flexible, Halogen Free Polyolefin Heat Shrink Tubing



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	13641GRY
Heatshrink, 2:1, 38.1mm, Grey		13642GRY
Heatshrink, 2:1, 50.8mm, Grey	25 m	13643GRY

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

