

# Heat Shrink Tubing

## Flexible Halogen-Free Polyolefin

**multicomp**PRO

**RoHS  
Compliant**



### Characteristics

- Halogen-Free
- Operating temperature: -55°C to +125°C
- Minimum shrink temperature: +70°C
- Full recovery temperature: +120°C
- Shrink Ratio 3:1
- Meets Sony-SS-00259
- Colour: Black

### Applications

This 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 temperatures. Suitable for applications where temperature sensitive components protection, e.g. PVC jacketed wire and cable, and quick shrinkage is required. Offers good mechanical and electrical performances. The shelf-life is 36 months from the date of production to be conservative.

### Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	$\geq 10.4$ MPa
Ultimate Elongation	ASTM D 2671	$\geq 200\%$
Longitudinal Shrinkage	UL 224	$\pm 5\%$
Heat Aging Tensile Strength Ultimate Elongation	158°C, 168 hrs	$\geq 7.3$ MPa $\geq 100\%$
Heat Shock	250°C, 4 hrs	No cracking, No dripping
Flammability	FMVSS302	Pass
Dielectric Strength	ASTM D150	$\geq 15$ kV/mm
Volume Resistivity	ASTM D2671	$\geq 1 \times 10^{14}$ $\Omega$ cm
Copper Stability	UL224	Pass
Copper Corrosion	UL224	No corrosion

### Part Number Table

Description	Size		As Supplied	After Recovery		Part Number	
	Inch	mm	Internal Diameter Min(mm)	Internal Diameter(mm)	Wall Thickness(mm)	(1.22m Length)	(5m Length)
Heat Shrink Tubing Flexible Halogen-Free Polyolefin	1/16	1.5	1.5	0.5	0.45	HS510-1.22M	HS510-5M
	1/8	3	3	1	0.55	HS511-1.22M	HS511-5M
	3/16	4.5	4.5	1.5	0.6	HS512-1.22M	HS512-5M
	1/4	6	6	2	0.65	HS513-1.22M	HS513-5M

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	Inch	mm	Internal Diameter Min(mm)	Internal Diameter(mm)	Wall Thickness(mm)	(1.22m Length)	(5m Length)
Heat Shrink Tubing Flexible Halogen-Free Polyolefin	3/8	9	9	3	0.75	HS514-1.22M	HS514-5M
	1/2	12	12	4	0.75	HS515-1.22M	HS515-5M
	3/4	18	18	6	0.85	HS516-1.22M	HS516-5M
	1	24	24	8	1	HS517-1.22M	HS517-5M
	1-1/2	39	39	13	1.5	HS518-1.22M	HS518-5M

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