

# Mil Spec 2:1 Normal Wall Polyolefin Heatshrink Tubing multicomp<sup>PRO</sup>

RoHS  
Compliant



## Features

- Flexible
- Highly Flame Retardant
- Shrink Ratio 2:1
- Resistant to common fluids and solvents
- Operating temperature -55°C to +135°C
- Minimum shrink temperature 70°C
- Minimum full recovery temperature 120°C
- Approvals: UL224, 125°C 600V VW-1
- Meet SAE-AMS-DTL -23053/5, Class 1 and 3

## Applications

Provides both commercial and military applications electrical insulation and protects in-line components, disconnect terminals and splices with its high strength and excellent resilience. Bundles wires for very flexible light-duty harnesses. Identifies or colour-codes wires, cables, terminals and components.

## Technical Data:

Property	Test Method	Standard Value
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, 168hrs	≥7.3 Mpa ≥100%
Flammability	UL224 VW-1	Pass
Heat shock (250°C, 4hrs)	ASTM D 2671	No cracking
Cold bend tests (-55°C, 4hrs)	ASTM D 2671	No cracking
Dielectric Strength (kv/mm)	ASTM D 150	≥15kv/mm
Volume Resistivity	ASTM D 876	≥1 × 10 <sup>14</sup> Ω-cm
Copper Stability	UL224	Pass
Copper Corrosion	UL224	No corrosion

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## Product Dimensions:

Size		As supplied	After Recovery	
Inch	mm	Internal diameter (mm)	Internal diameter Max(mm)	Wall thickness Nom(mm)
1/16	1	1.5 ±0.2	0.65	0.33 ±0.1
3/32	2	2.5 ±0.2	1	0.45 ±0.1
1/8	3	3.5 ±0.2	1.5	
3/16	4.5	5 ±0.2	2.3	0.56 ±0.1
1/4	6	6.5 ±0.2	3	
3/8	9	9.5 ±0.3	4.5	
1/2	12	12.5 ±0.3	6	
1	25	26.0 ±0.5	12.5	0.9 ±0.15

## Part Number Table

Description	Length	Part Number
Heatshrink Tubing, 2:1, Black, 1mm	1.2m	MCP00080
Heatshrink Tubing, 2:1, Black, 2mm	1.2m	MCP00081
Heatshrink Tubing, 2:1, Black, 4.5mm	1.2m	MCP00082
Heatshrink Tubing, 2:1, Black, 6mm	1.2m	MCP00083
Heatshrink Tubing, 2:1, Black, 9mm	1.2m	MCP00084
Heatshrink Tubing, 2:1, Black, 12mm	1.2m	MCP00085
Heatshrink Tubing, 2:1, Black, 25mm	1.2m	MCP00086
Heatshrink Tubing, 2:1, Black, 3mm	5m	MCP00087
Heatshrink Tubing, 2:1, Black, 4.5mm	5m	MCP00088
Heatshrink Tubing, 2:1, Black, 6mm	5m	MCP00089
Heatshrink Tubing, 2:1, Black, 9mm	5m	MCP00090
Heatshrink Tubing, 2:1, Black, 12mm	5m	MCP00091

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