

## Normal Wall Tubing (2X)

Environment Friendly, Flexible, Highly Flame Retardant, Polyolefin, Heat Shrink

pro-POWER

RoHS  
Compliant



### Application

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-code wires, cables, terminals and components.

### Specifications

Operating Temperature : -55°C to +135°C  
Min. Shrink Temperature : 70°C  
Min. Full Recovery Temperature : 120°C  
Shrink Ratio : 2:1  
Colours : Black and Natural  
Resistant to common fluids and solvents  
Approvals: UL224, 125°C 600V VW-1  
Meets the AMS- DTL-23053/5 class1&3

### Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	≥10.4MPa
Ultimate Elongation	ASTM D 2671	≥200%
Longitudinal Shrinkage	UL 224	±5%
Heat Aging Tensile Strength Ultimate Elongation	158°C, 168 hour	≥7.3MPa ≥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

### Product Dimensions

Part Number	Size		As Supplied	After Recovery	
	Inch	mm	Internal Diameter (mm)	Internal Diameter Max. (mm)	Wall Thickness Nom. (mm)
PP001929	1/16	1.5	2 ±0.2	0.85	0.36 ±0.1
PP001930					
PP001941					
PP001942					

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Part Number	Size		As Supplied	After Recovery	
	Inch	mm	Internal Diameter (mm)	Internal Diameter Max. (mm)	Wall Thickness Nom. (mm)
PP001931	3/32	2	2.5 ±0.2	1	0.45 ±0.1
PP001932					
PP001943					
PP001944					
PP001933	1/8	3.5	4 ±0.2	1.8	0.45 ±0.1
PP001934					
PP001945					
PP001946					
PP001935	1/4	6	6.5 ±0.2	3	0.56 ±0.1
PP001936					
PP001947					
PP001948					
PP001937	3/8	10	10.5 ±0.3	5	0.56 ±0.1
PP001938					
PP001949					
PP001950					
PP001939	3/4	18	19 ±0.5	9	0.7 ±0.1
PP001940					
PP001951					
PP001952					

### Part Number Table

Description	Part Number
Tubing, Heat Shrink, 2:1, MIL Spec., 1.5mm, Black, 100m	PP001929
Tubing, Heat Shrink, 2:1, MIL Spec., 1.5mm, Black, 10m	PP001930
Tubing, Heat Shrink, 2:1, MIL Spec., 2mm, Black, 100m	PP001931
Tubing, Heat Shrink, 2:1, MIL Spec., 2mm, Black, 10m	PP001932
Tubing, Heat Shrink, 2:1, MIL Spec., 3.5mm, Black, 100m	PP001933
Tubing, Heat Shrink, 2:1, MIL Spec., 3.5mm, Black, 10m	PP001934
Tubing, Heat Shrink, 2:1, MIL Spec., 6mm, Black, 100m	PP001935
Tubing, Heat Shrink, 2:1, MIL Spec., 6mm, Black, 10m	PP001936
Tubing, Heat Shrink, 2:1, MIL Spec., 10mm, Black, 50m	PP001937
Tubing, Heat Shrink, 2:1, MIL Spec., 10mm, Black, 10m	PP001938
Tubing, Heat Shrink, 2:1, MIL Spec., 18mm, Black, 25m	PP001939
Tubing, Heat Shrink, 2:1, MIL Spec., 18mm, Black, 5m	PP001940

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Description	Part Number
Tubing, Heat Shrink, 2:1, MIL Spec., 1.5mm, Natural, 100m	PP001941
Tubing, Heat Shrink, 2:1, MIL Spec., 1.5mm, Natural, 10m	PP001942
Tubing, Heat Shrink, 2:1, MIL Spec., 2mm, Natural, 100m	PP001943
Tubing, Heat Shrink, 2:1, MIL Spec., 2mm, Natural, 10m	PP001944
Tubing, Heat Shrink, 2:1, MIL Spec., 3.5mm, Natural, 100m	PP001945
Tubing, Heat Shrink, 2:1, MIL Spec., 3.5mm, Natural, 10m	PP001946
Tubing, Heat Shrink, 2:1, MIL Spec., 6mm, Natural, 100m	PP001947
Tubing, Heat Shrink, 2:1, MIL Spec., 6mm, Natural, 10m	PP001948
Tubing, Heat Shrink, 2:1, MIL Spec., 10mm, Natural, 50m	PP001949
Tubing, Heat Shrink, 2:1, MIL Spec., 10mm, Natural, 10m	PP001950
Tubing, Heat Shrink, 2:1, MIL Spec., 18mm, Natural, 25m	PP001951
Tubing, Heat Shrink, 2:1, MIL Spec., 18mm, Natural, 5m	PP001952

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