# Normal Wall Tubing (3X)





# RoHS **Compliant**

#### **Description**

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.

#### **Specifications**

Operating temperature : -55°C to +135°C

: 120°C Minimum Full Recovery Temperature Minimum shrink temperature : 70°C Shrink Ratio : 3:1

Colours : Black and Natural

: UL224, 125°C 600V VW-1 Approvals

Resistant to common fluids and solvents 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, 168hrs	≥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	ASTM D 150	≥15kV/mm
Volume Resistivity	ASTM D 876	≥1×10¹⁴Ω·Cm
Copper Stability	UL224	Pass
Copper Corrosion	UL224	No corrosion







Part Number	Size		As supplied	After Re	After Recovery	
	Inch	mm	Internal diameter Min.(mm)	Internal diameter Max. (mm)	Wall thickness Nom. (mm)	
PP001953	1/16	1.5	1.5	0.5	0.45 ±0.1	
PP001954						
PP001965						
PP001966						
PP001955		3	3	1	0.55 ±0.1	
PP001956	1/8					
PP001967						
PP001968						
PP001957	1/4	6	6	2	0.65 ±0.1	
PP001958						
PP001969						
PP001970						
PP001959	1/2	12	12	4	0.75 ±0.15	
PP001960						
PP001971						
PP001972						
PP001961		18	18	6	0.85 ±0.15	
PP001962	3/4					
PP001973						
PP001974						
PP001963	1-1/4	30	30	10	1.1 ±0.2	
PP001975						
PP001964	2.36	60	60	20	2.6 ±0.2	
PP001976						

### **Part Number Table**

Description	Part Number
Tubing, Heat Shrink, 3:1, MIL Spec, 1.5mm, Black, 25m	PP001953
Tubing, Heat Shrink, 3:1, MIL Spec, 1.5mm, Black, 5m	PP001954
Tubing, Heat Shrink, 3:1, MIL Spec, 3mm, Black, 25m	PP001955
Tubing, Heat Shrink, 3:1, MIL Spec, 3mm, Black, 5m	PP001956
Tubing, Heat Shrink, 3:1, MIL Spec, 6mm, Black, 25m	PP001957
Tubing, Heat Shrink, 3:1, MIL Spec, 6mm, Black, 5m	PP001958
Tubing, Heat Shrink, 3:1, MIL Spec, 12mm, Black, 25m	PP001959
Tubing, Heat Shrink, 3:1, MIL Spec, 12mm, Black, 5m	PP001960

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



Description	Part Number
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Tubing, Heat Shrink, 3:1, MIL Spec, 18mm, Black, 25m	PP001961
Tubing, Heat Shrink, 3:1, MIL Spec, 18mm, Black, 5m	PP001962
Tubing, Heat Shrink, 3:1, MIL Spec, 30mm, Black, 5m	PP001963
Tubing, Heat Shrink, 3:1, MIL Spec, 60mm, Black, 5m	PP001964
Tubing, Heat Shrink, 3:1, MIL Spec, 1.5mm, Natural, 25m	PP001965
Tubing, Heat Shrink, 3:1, MIL Spec, 1.5mm, Natural, 5m	PP001966
Tubing, Heat Shrink, 3:1, MIL Spec, 3mm, Natural, 25m	PP001967
Tubing, Heat Shrink, 3:1, MIL Spec, 3mm, Natural, 5m	PP001968
Tubing, Heat Shrink, 3:1, MIL Spec, 6mm, Natural, 25m	PP001969
Tubing, Heat Shrink, 3:1, MIL Spec, 6mm, Natural, 5m	PP001970
Tubing, Heat Shrink, 3:1, MIL Spec, 12mm, Natural, 25m	PP001971
Tubing, Heat Shrink, 3:1, MIL Spec, 12mm, Natural, 5m	PP001972
Tubing, Heat Shrink, 3:1, MIL Spec, 18mm, Natural, 25m	PP001973
Tubing, Heat Shrink, 3:1, MIL Spec, 18mm, Natural, 5m	PP001974
Tubing, Heat Shrink, 3:1, MIL Spec, 30mm, Natural, 5m	PP001975
Tubing, Heat Shrink, 3:1, MIL Spec, 60mm, Natural, 5m	PP001976

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