

# UL E225897 HEAT-SHRINKABLE TUBING

## QFR- H

### HEAT SHRINKABLE PE TUBING

This tubing is intended for use as part of the internal wiring of electrical devices and appliances.

The tubing may be intended for insulating one or more uninsulated or partially insulated conductors, busbars, component leads, terminal lugs or assemblies of electronic components.

- Economical
- Commercial and industrial harness
- Indefinite shelf life
- Thermally stable
- Easily hot stamped for wire identification
- Long lengths ideal for cable jacketing, minimize waste

#### Description:

Operating temperature -55°C~125 °C

Flame resistance VW-1

RoHS Compliant

Reference color Black



#### Specification:

Properties	Items	Specification Requirement
Physical	Shrink Temperature	121 °C
	Continuous Operating Temperature	-55-135 °C
	Tensile Strength	12.0Mpa
	Elongation	>400 %
	Radial Shrinking Ratio	50 % (2:1)
	Longitudinal Shrinking Ratio	<±5 %
Electrical	Dielectric Strength	≥19.7kv/mm
	Volume Resistivity	10 <sup>14</sup> Ω.cm
Chemical	Flammability	
	Fluid Resistance	Good to Excellent
	Copper Corrosion	No corrosion

Gauge (AWG)	Size (Inch)	Expanded Inside Diam.		Recovered				Min. Package M/Roll
				Inside Diam.		Wall thickness		
		Inch	mm	Inch	mm	Inch	mm	
φ 1.0	.0394	.0591	1.5	≤0.0276	≤0.7	.0142	0.36	200
φ 1.5	.0591	.0827	2.1	≤0.0315	≤0.8	.0157	0.40	200
φ 2.0	.0787	.0984	2.5	≤0.0394	≤1.0	.0173	0.44	200
φ 2.5	.0984	.1181	3.0	≤0.0512	≤1.3	.0173	0.44	200
φ 3.0	.1181	.1378	3.5	≤0.0591	≤1.5	.0173	0.44	200
φ 3.5	.1378	.1575	4.0	≤0.0709	≤1.8	.0173	0.44	200
φ 4.0	.1575	.1772	4.5	≤0.0787	≤2.0	.0173	0.44	200
φ 5.0	.1969	.2165	5.5	≤0.0984	≤2.5	.0220	0.56	100
φ 6.0	.2362	.2598	6.6	≤0.1181	≤3.0	.0220	0.56	100
φ 7.0	.2756	.3031	7.7	≤0.1378	≤3.5	.0220	0.56	100
φ 8.0	.3150	.3386	8.6	≤0.1575	≤4.0	.0260	0.66	100
φ 9.0	.3543	.3819	9.7	≤0.1772	≤4.5	.0260	0.66	100
φ 10	.3937	.4213	10.7	≤0.1969	≤5.0	.0276	0.70	100
φ 11	.4331	.4606	11.7	≤0.2165	≤5.5	.0276	0.70	100
φ 12	.4724	.5000	12.7	≤0.2362	≤6.0	.0276	0.70	100
φ 13	.5118	.5394	13.7	≤0.2559	≤6.5	.0291	0.74	100
φ 14	.5512	.5787	14.7	≤0.2756	≤7.0	.0291	0.74	100
φ 15	.5906	.6181	15.7	≤0.2953	≤7.5	.0315	0.80	50
φ 16	.6299	.6654	16.9	≤0.3150	≤8.0	.0315	0.80	50
φ 17	.6693	.6969	17.7	≤0.3346	≤8.5	.0331	0.84	50
φ 18	.7087	.7559	19.2	≤0.3740	≤9.5	.0354	0.90	50
φ 20	.7874	.8346	21.2	≤0.3937	≤10	.0354	0.90	50
φ 22	.8661	.8937	22.7	≤0.4331	≤11	.0394	1.00	50
φ 25	.9843	1.0039	25.5	≤0.4724	≤12	.0394	1.00	50
φ 28	1.1024	1.1496	29.2	≤0.5512	≤14	.0433	1.10	50
φ 30	1.1811	1.2205	31.0	≤0.5906	≤15	.0433	1.10	50

#### Order reference:

Striping: Longitudinal and Parallel Stripes Available Per Request

Delivery: All Stocked Items Available for Immediate Shipment, 8 Week Lead Time for Non-stocked Items