

Thermo-Shrink® Thin-Wall Heat Shrinkable Tubing

- Polyolefin material electrically insulates and protects in-line components, disconnect terminals and splices with its high strength and excellent resilience
- Use to bundle wires for very flexible light-duty harnesses
- Highly flame-retardant and flexible
- Resistant to common fluids and solvents
- Meets UL 224 125°C VW-1 600V, SAE-AMS-DTL-23053/5 Class 1 & 3
- Material: No PBB's, PBBO's, PBBE's, Cadmium < 5PPM; Lead < 10PPM
- 2:1 shrink ratio
- Minimum shrink temperature: 70°C
- Minimum fully recovery temperature: 100°C
- Operating temperature: -55°C to +135°C



Heat Shrink

Technical Data		
Property	Test Method	Typical Data
Tensile strength	ASTM D 638	14MPa
Elongation at break	ASTM D 638	600%
Elongation after aging at 175°C for 168 hours	ASTM D 638	350%
Flammability	UL 224 VW-1/ SAE-AMS-DTL-23053/5	Pass
Heat shock (250°C/4 hours)	ASTM D 2671	No cracking
Cold bend test (-55°C/4 hours)	ASTM D 2671	No cracking
Dielectric strength	ASTM D 150	20KV/mm
Volume resistance	ASTM D 876	10 ¹⁴ Ω.cm
Copper corrosion	UL 224	Pass
Water absorption	ASTM D 570	0.15%
Chemical resistance	SAE-AMS-DTL-23053/5	Pass
Longitudinal shrinkage	UL 224	0±5%
Eccentricity	UL 224	30%

Normal Size (Inches)	Expanded I.D. (Min.)	Nominal Recovered I.D. (Max.)	Recovered Wall Thickness +/-10%	Cable Range*	Length	Pkg. Type	Cat. No.
3/64	0.063"/1.6mm	0.024"/0.6mm	0.013"/0.33mm	22-18 AWG	4 ft.	Disk	46-600
1/16	0.079"/2.0mm	0.031"/0.8mm	0.014"/0.36mm	16 AWG	4 ft.	Disk	46-601
3/32	0.122"/3.1mm	0.047"/1.2mm	0.017"/0.44mm	14-12 AWG	4 ft.	Disk	46-602
1/8	0.146"/3.7mm	0.063"/1.6mm	0.017"/0.44mm	24-20 AWG	6 in.	Bag	46-310
					2 ft.	Bag	46-311
					4 ft.	Disk	46-603
					1,000 ft.	Spool	46-312
3/16	0.205"/5.2mm	0.094"/2.4mm	0.020"/0.50mm	20-14 AWG	6 in.	Bag	46-313
					2 ft.	Bag	46-314
					4 ft.	Disk	46-604
					1,000 ft.	Spool	46-315
1/4	0.268"/6.8mm	0.126"/3.2mm	0.022"/0.56mm	14-8 AWG	6 in.	Bag	46-316
					2 ft.	Bag	46-317
					4 ft.	Disk	46-605
					500 ft.	Spool	46-318
5/16	0.346"/8.8mm	0.157"/4.0mm	0.022"/0.56 mm	10-6 AWG	4 ft.	Disk	46-606
3/8	0.421"/10.7mm	0.185"/4.7mm	0.022"/0.56mm	8-4 AWG	6 in.	Bag	46-319
					2 ft.	Bag	46-320
					4 ft.	Disk	46-607
					200 ft.	Spool	46-321
1/2	0.539"/13.7mm	0.252"/6.4mm	0.026"/0.65mm	4-1 AWG	6 in.	Bag	46-322
					2 ft.	Bag	46-323
					4 ft.	Disk	46-608
					200 ft.	Spool	46-324
3/4	0.807"/20.5mm	0.374"/9.5mm	0.027"/0.69mm	2-250 MCM	6 in.	Bag	46-325
					2 ft.	Bag	46-326
					4 ft.	Disk	46-609
					200 ft.	Spool	46-327
1	1.043"/26.5mm	0.500"/12.7mm	0.031"/0.80mm	2/0-500 MCM	6 in.	Bag	46-328
					2 ft.	Bag	46-329
					4 ft.	Disk	46-610
					100 ft.	Spool	46-330

*Reference only - Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

