

# Electrical Markets

3M™ Heat Shrink Products for Construction & Industrial Applications



# Reliable Heat Shrink

Made in the **USA**

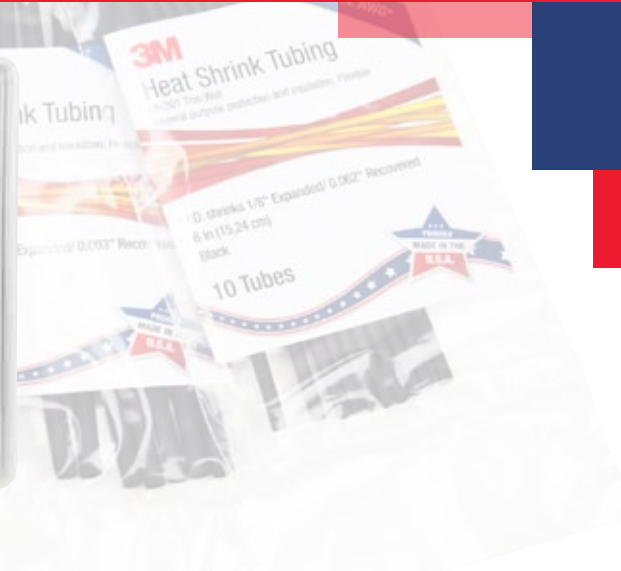


# 3M™ Heat Shrink Tubing



3M offers a broad range of US made heat shrink tubing at competitive prices that allow you to address your heat shrink needs while still taking pride in buying American. 3M™ Heat Shrink Tubing is designed to insulate and protect in a wide variety of electrical and mechanical applications. Buying from 3M provides the quality assurance that comes with a 100+ year old company synonymous with American innovation.

Product	Description	Product Family
Thin Wall Tubing	Lightweight, tough and flexible. 3M™ Single Wall Tubing is the right choice for electrical insulation in many industrial and manufactured products. It's also dependable as a lightweight wire harness, wire marking, wire bundling, component packaging and fire-resistant cover.	FP-301
Thin Wall Tubing with Adhesive (Dual Wall)	The outer wall resists abrasions. The meltable inner wall keeps out moisture. These are just two of the many reasons why 3M™ Thin Wall Tubing with Adhesive (Dual Wall) is a smart pick when you need to protect components and equipment in high moisture environments such as automotive and marine applications.	EPS-200
		ESP-300
		EPS-400
		MW
Heavy Wall Tubing	Demanding conditions call for heavy-duty abrasion protection. With 3M™ Heavy Wall Tubing, you can get the level of protection you want from a broad range of products. Choose the tubing you need based on the degree of temperature protection, dielectric strength, flexibility, chemical resistance, or moisture protection.	ITCSN
		IMCSN
Specialty Polymer Tubing	3M™ Specialty Polymer Tubing is tough. Designed for use in military aircrafts and vehicles that can operate in severe environments, this tubing can weather extremes such as high temperatures and exposure to oils or corrosive fluids.	MFP
		NST
		VTN
Bus Bar Tubing	Get durable and reliable protection that prevents failures and downtime in applications from 5 – 35 kV. 3M™ Heat Shrinkable Bus Bar Tubing covers and insulates rectangular, square or round bus bars, resists splitting and solvents, and provides excellent tracking resistance.	BBI



Made in USA	Shrink Ratio	Diameters	Operating Temperature	Colors	Packouts	Specification
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	2:1	3/64" through 4"	-67°F to +275°F (-55°C to +135°C)	Standard: Black, Blue, Clear, Green, Red, White and Yellow	Spools, Pieces in lengths up to 4', Kits	SAE-AMS-DTL-23053/5, Class 1, 2; UL; CSA; ABS
	2:1	1/8" through 2"	-67°F to +230°F (-55°C to +110°C)	Standard: Black Also can make: Blue, Clear, Green, Red, White and Yellow	Pieces in lengths up to 4'	SAE-AMS-DTL-23053/4, Class 2; UL; CSA
	3:1	1/8" through 1 1/2"	-67°F to +230°F (-55°C to +110°C)	Standard: Black and Red Also can make: Blue, Clear, Green, White and Yellow	Pieces in lengths up to 4', Kits	UL; CSA; ABS
	4:1	0.3" through 0.7"	-67°F to +230°F (-55°C to +110°C)	Standard: Black	Pieces in lengths up to 4'	UL; CSA
	2.5:1	1/8" through 1"	-67°F to +230°F (-55°C to +110°C)	Standard: Black Also can make: Blue, Clear, Green, Red, White and Yellow	Pieces in lengths up to 4'	SAE-AMS-DTL-23053/4, Class 1; UL; CSA
	3:1	0.4" through 6"	-67°F to +230°F (-55°C to +110°C)	Standard: Black and Red	Pieces in lengths up to 4', Kits	UL 486D; CSA
	3:1	0.4" through 4.3"	-67°F to +230°F (-55°C to +110°C)	Standard: Black and Red	Pieces in lengths up to 4', Kits	UL 486D; CSA
	2:1	3/64" through 2"	-67°F to +347°F (-55°C to +175°C)	Standard: Clear	Pieces in lengths up to 4'	Meets performance claims of SAE-AMSDTL-23053/18, Class 1; SAE-AMSDTL-23053/8; UL; CSA
	2:1	1/8" through 3"	-94°F to +250°F (-70°C to +121°C)	Standard: Black	Spools	SAE-AMS-DTL-23053/1, Class 1, 2; UL; SC-X-15112
	2:1	1/8" through 2"	-67°F to +392°F (-55°C to +200°C)	Standard: Black	Spools	SAE-AMS-DTL-23053/13
	Sized to application	3" through 10"	Can be used on Bus Bar rated up +230°F (+110°C) for 5, 8, 15, 25 and 35 kV voltage classes	Standard: Orange-Red	Spools	ASTM-D-257, 149, 150, 2303; IEC 216; ANSI/IEEE Std C37.20



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Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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	3:1	1/8" through 1 1/2"	-67°F to +230°F (-55°C to +110°C)	Standard: Black and Red Also can make: Blue, Clear, Green, White and Yellow	Pieces in lengths up to 4', Kits	UL; CSA; ABS
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	3:1	0.4" through 4.3"	-67°F to +230°F (-55°C to +110°C)	Standard: Black and Red	Pieces in lengths up to 4', Kits	UL 486D; CSA
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