

EZISHRINK THIN WALL TUBING

RATED VOLTAGE OF 600 VOLTS



FLEXIBLE, FLAME RETARDANT, GENERAL PURPOSE POLYOLEFIN TUBING

KEY FEATURES

- UL recognized to standard 224
- Wide operating temperature range from -58°C to 100°C (-58°F to 212°F)

TE Connectivity (TE) EziShrink Thin Wall Tubing is a high-quality, heat-shrinkable product for a variety of uses. It is the industry standard for insulation, strain relief, wire bundling, and color coding in both commercial and military applications.

Made from Flame Retardant Polyolefin Material, EziShrink has excellent physical, chemical and electrical properties that meet industry standards for highly reliable heat shrink tubing.

APPLICATIONS

- Commercial Buildings
- Military

RELEVANT STANDARDS AND TESTING

- UL E203950

DESIGN DATA

Physical Characteristics	Test Method	Material Requirements
Tensile Strength	UL224	≥10.4 MPa
Ultimate Elongation	UL224	≥200 MPa
Low Temperature Flexibility	UL224; -30°C×1 hr	No Cracking
Heat Shock	UL224	No Viscidity No Cracking
Tensile Strength after Aging	UL224; 158°C×168 hr	≥7.3 MPa
Ultimate Elongation after Aging	UL224; 158°C×168 hr	≥100 MPa
Electrical Characteristics	Test Method	Material Requirements
Dielectric Withstand 300 V	UL224; 1500 V 1min	Without Breakdown
Dielectric Withstand 600 V	UL224; 1500 V 1min	Without Breakdown
Dielectric Strength	UL224	≥15 kV/mm
Volume Resistance	UL224	≥1.15×10 ¹⁴ Ω•cm
Chemical Characteristics	Test Method	Material Requirements
Copper Stability	UL224; 158°C×168 hr	Pass
Anti Corrosion	UL224; 158°C×168 hr	Pass
Flammability	UL224; 158°C×168 hr	VW-1
UV Resistance	ASTM G154-16	Tensile Strength @1000h ≥10.4 MPa Elongation at Break @1000h ≥200%
Application Characteristics	Test Method	Material Requirements
Operating Temperature Range	----	-55°C up to 125°C
Shrink Ratio	----	>2:1
Longitudinal Shrinkage Free Recovered	----	±5%

TECHNICAL SPECIFICATIONS

Dimensions	X	XW	R	RW	Application Range Diameter (mm)	Spool Length (m)
Size	Expanded Diameter as supplied (mm)	Expanded Wall Thickness (mm)	Recovered Diameter (mm)	Recovered Wall Thickness (mm)		
1.2 / 0.6	1.2	0.15	0.6	0.22	0.7 - 1.1	200
1.5 / 0.8	1.5	0.15	0.8	0.28	0.9 - 1.4	200
2 / 1	2	0.18	1	0.35	1.1 - 1.8	200
3 / 1.5	3	0.18	1.5	0.40	1.7 - 2.8	200
4 / 2	4	0.25	2	0.50	2.2 - 3.5	200
6 / 3	6	0.28	3	0.55	3.2 - 5.5	100
10 / 5	10	0.30	5	0.60	5.5 - 9	100
12 / 6	12	0.30	6	0.60	6.4 - 11	100
20 / 10	20	0.40	10	0.80	11 - 18	100
25 / 12	25	0.55	12	0.90	13 - 23	50
30 / 15	30	0.55	15	0.90	17 - 27	50
40 / 20	40	0.55	20	1.00	22 - 36	50
50 / 25	50	0.55	25	1.00	28 - 45	25
80 / 40	80	0.70	40	1.46	44 - 70	25
100 / 50	100	0.70	50	1.46	55 - 90	25

Learn more: [TE.com/energy](https://www.te.com/energy)

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