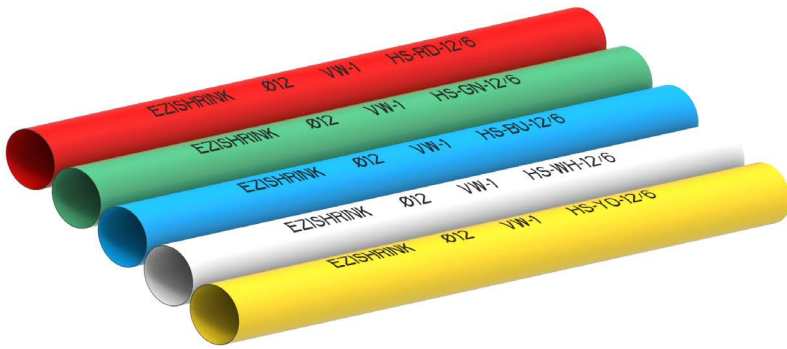


EZISHRINK THIN WALL TUBING

RATED: 125°C, 600 V, VW-1 FLAMMABILITY RATING



**FLEXIBLE, FLAME-RETARDANT,
HALOGEN-FREE GENERAL PURPOSE
POLYOLEFIN TUBING**

KEY FEATURES

- UL recognized to standard 224
- Wide operating temperature range from -55°C to 125°C (-67°F to 257°F)
- Shrink ratio >2:1 or >50%
- UV stabilized

TE Connectivity (TE) Ezishrink Thin Wall Tubing is a highquality, heat-shrinkable product for a variety of uses.

Ezishrink is designed for electrical applications up to 600 V, such as strain relief, wire bundling, colour coding, cable and connector insulation in joints and terminations in, commercial, residential and industrial applications.

Made from flame-retardant, halogen-free polyolefin material, Ezishrink has excellent physical, chemical, and electrical properties that meet industry standards for highly reliable heat shrink tubing.

APPLICATIONS

- Commercial
- Residential
- Industrial
- Indoor / Outdoor

RELEVANT STANDARDS AND TESTING

- UL 224 File: E203950
- REACH and RoHS compliant

DESIGN DATA

Physical Characteristics	Test Method	Material Requirements
Tensile Strength	UL224	≥1 0.4 MPa
Ultimate Elongation	UL224	≥200 %
Low Temperature Flexibility	UL224 - 30°C × 1 hr	No Cracking
Heat Shock	UL224	No Viscidity No Cracking
Tensile Strength after Aging	UL224 - 58°C × 168 hr	≥7.3 MPa
Ultimate Elongation after Aging	UL224 - 58°C × 168 hr	≥1 00 %
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	≥1 5 kV/mm
Volume Resistance	UL224	≥1 .15×10 ¹⁴ Ω•cm
Chemical Characteristics	Test Method	Material Requirements
Copper Stability	UL224 - 58°C × 168 hr	Pass
Anti Corrosion	UL224 - 58°C × 168 hr	Pass
Flammability	UL224 - 58°C × 168 hr	VW-1
UV Resistance	ASTM G154-16	Tensile Strength @1000h ≥ 1 0.4 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%



HS - BK - 40/20 - SP

Ezishrink **Colour** **Size** **SP - Spool**
Prefix (see table) (for sticks leave blank)
 Stick = standard length of 1.2 m long tubes

COLOUR CHART

Standard Colour Code	Black	Red	Yellow	Blue	White	Green/Yellow
	BK	RD	YO	BU	WH	G/Y

ORDERING INFORMATION - PART DESCRIPTION

DIMENSIONS	X	XW	R	RW	Application Range Diameter (mm)	Spool Length (m)
Size	Expanded Diameter 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/solar](https://www.te.com/solar)

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