

HEAT-SHRINKABLE TUBING

HTS-F4(Z)

SUMITUBE®, Made of Polyolefin, Extremely thin walled, Very flexible



Highlights

- Operating temperature
- 55 °C to 125 °C
- Self-extinguishing
- Little longitudinal change by shrinking
- Very flexible
- Rapidly shrinking
- Shrink rate 2:1
- Shrink temperature: 90 °C
- Colour: black
- RoHS and REACH conform
- Approvals: CSA, UL
- Printed CSA and UL check numbers for Export purposes

Dimensions

Art.-No.	Before Shrinkage (mm)		After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter (min)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85400	3/64	1.20	0.60	0.20	300	1500
Z85401	1/16	1.60	0.80	0.20	300	900
Z85402	3/32	2.40	1.20	0.25	150	900
Z85403	1/8	3.20	1.60	0.25	150	900
Z85413	3/16	4.80	2.40	0.25	60	600
Z85414	1/4	6.40	3.20	0.28	60	300
Z85415	3/8	9.50	4.80	0.28	60	300
Z85416	1/2	12.70	6.40	0.30	60	300
Z85417	3/4	19.10	9.50	0.35	60	180
Z85418	1	25.40	12.70	0.40	60	180

Technische Daten

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change by shrinking	UL 224, -5% ± 10%	-5%
	Density	ASTM D 792,	1,33
	Tensile strength	ASTM D 638, min. 10,4 MPa	≥ 14 MPa
	Elongation at break	ASTM D 638, min. 200%	≥ 350%
	Secant modulus	ASTM D 882, max. 173 MPa	90 MPa

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,
CUSTOMER-ORIENTED**

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Thermal	Operating Temperature	UL 224, -55 °C bis 125°C	-55 °C to 125°C
	Min. Shrink Temperature	For complete shrinkage	90 °C
	Shrinkage begins at		60 °C
	Heat Shock (225°C x 4h)	UL 224, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (158 °C x 168 h)	UL 224, min. 100%	> = 300%
Chemical	Cold bending (-30 °C x 1 h)	UL 224, no cracks	Passed
	Copper corrosion (158 °C x 168 Std.)	UL 224, no corrosion	Passed
Electrical	Flammability	UL 224/CSA, VW-1	Passed
	Water absorption	ASTM D 570, n. a.	0,003
	Nominal voltage	300V	
	Breakdown test (2.5 kV x 60 sec.)	UL 224, no breakdown	Passed
	Volume resistance	ASTM D 876	2,5 x 10 ¹⁶ Ω·cm
	Dielectric strength	ASTM D 876	26 kV/mm

Ideal for wrapping, bundling and marking of flexible, temperature-sensitive cables and components.

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ELECTRIC
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