

HEAT-SHRINKABLE TUBING

HTS-F2(Z)

SUMITUBE®, Made of Polyolefin, Thin walled, Printed CSA and UL check numbers



Highlights

- Operating temperature - 55 °C to 125 °C
- Self-extinguishing
- Little longitudinally shrink
- Very flexible
- Excellent Handling
- Shrink temperature: 90 °C
- Shrink rate 2:1
- Colours: black, others on request
- RoHS and REACH conform
- Approvals: CSA, UL
- CSA u. UL, check numbers are printed

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)
Z85342	3/64	1.20	0.60	min. 0.33	300	900
Z85341	1/16	1.60	0.80	min. 9.36	300	900
Z85343	3/32	2.40	1.20	min. 0.44	150	900
Z85344	1/8	3.20	1.60	min. 0.44	150	900
Z85345	3/16	4.80	2.40	min. 0.44	60	600
Z85346	1/4	6.40	3.20	min. 0.56	60	600
Z85347	3/8	9.50	4.80	min. 0.56	60	300
Z85348	1/2	12.70	6.40	min. 0.56	60	300
Z85349	3/4	19.10	9.50	min. 0.69	60	180
Z85350	1	25.40	12.70	min. 0.77	60	180
Z85351	1-1/2	38.10	19.10	min. 0.87	60	180
Z85352	2	50.80	25.40	min. 0.97	60	120

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
Physical	Longitudinal change by shrinking	UL 224, $\pm 5\%$	-0,02
	Density	ASTM D 792,	1,34
	Tensile strength	UL 224, min. 10,4 MPa	≥ 11 MPa
	Elongation at break	UL 224, min. 200%	$\geq 350\%$
	Secant modulus	UL 224, max. 173 MPa	65 MPa
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 (250°C x 4h)	UL 224, no cracking, flowing or dripping	Passed
	Elongation after thermal aging	UL 224, min. 100%	$\geq 300\%$
	Tensile strength after thermal aging (158 °C x 168 h)	UL 224, min. 7,3 MPa	Passed
	Cold bending (-30 °C x 1 h)	UL 224, no cracks	Passed
Chemical	Copper corrosion (158 °C x 168 h)	UL 224, no corrosion	Passed
	Flammability	UL 224/CSA, VW-1	Passed
Electrical	Water absorption	ASTM D 570, n.a.	$\leq 0,3\%$
	Nominal voltage	UL 224, 600V	Passed
	Breakdown test (2.5 kV x 60 sec.)	UL 224, no breakdown	Passed
	Volume resistance	UL 224, min. $10^{14} \Omega \cdot \text{cm}$	$\geq 10^{16} \Omega \cdot \text{cm}$
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	≥ 30 kV/mm

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