

HEAT-SHRINKABLE TUBING

HTS-B8

SUMITUBE[®], Made of Polyolefin, Thin-walled, Semi-regid



Highlights

- Operating temperature - 55 °C to 135 °C
- Suitable as bending and strain relief
- Excellent mechanical, electrical and chemical properties
- Shrink rate 2:1
- Shrink temperature: 130 °C
- Highly flame retardant
- RoHS and REACH conform
- Approvals: CSA, SAE (MIL), UL

Dimensions

Art.-No.	Before Shrinkage (mm)			After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter	Wall Thickness (nom.)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85481	3/64	1.20	0.25	0.60	0.51	1.20	150
Z85482	1/16	1.60	0.25	0.80	0.51	1.20	150
Z85483	3/32	2.40	0.25	1.20	0.51	1.20	150
Z85484	1/8	3.20	0.25	1.60	0.51	1.20	150
Z85485	3/16	4.80	0.30	2.40	0.64	1.20	60
Z85486	1/4	6.40	0.30	3.20	0.64	1.20	60
Z85487	3/8	9.50	0.35	4.80	0.76	1.20	60
Z85488	1/2	12.70	0.35	6.40	0.76	1.20	30
Z85489	3/4	19.10	0.35	9.50	0.76	1.20	30
Z85490	1	25.40	0.40	12.70	0.89	1.20	18

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,
CUSTOMER-ORIENTED**

HEINRICH THULESIUS GMBH & CO. KG
Zum Panrepel 15, D-28307 Bremen, GERMANY



SERVICE

Tel: +49 (0) 421-4895-0
Fax: +49 (0) 421-4895-225
E-Mail: info@thulesius.de
www.thulesius.de

**SUMITOMO
ELECTRIC
GROUP**

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change by shrinking	UL 224, -5% ± 10%	-3%
	Tensile strength	ASTM D 638, min. 13,8 MPa	> 16 MPa
	Elongation at break	ASTM D 638, min. 200%	300%
	Secant modulus	ASTM D 882, min. 173 MPa	185 MPa
Thermal	Operating Temperature	UL 224	-55 °C to 135 °C
	Min. Shrink Temperature	für vollständige Schrumpfung	130 °C
	Shrinkage begins at		75 °C
	Heat Shock (250°C x 4h)	SAE-AS23053, kein Reißen, Fließen oder Tropfen	Passed
	Elongation after thermal aging (158 °C x 168 h)	UL 224, min. 100%	> 200%
Chemical	Cold bending (-30 °C x 1 h)	UL 224, no cracks	Passed
	Copper corrosion (158 °C x 168 h)	UL 224, no corrosion	Passed
	Flammability	UL 224, VW-1	Passed
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 11,1 MPa (tensile strength)	Passed
Electrical	Fungus resistance	SAE-AS23053, ASTM G 21	Passed
	Nominal voltage	UL, CSA, 600V	
	Breakdown test (2.5 kV x 60 sec.)	UL 224, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 ¹⁴ Ω/cm	2,3 x 10 ¹⁶ Ω/cm
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	30 kV/mm

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