

HEAT-SHRINKABLE TUBING

HTS-B11 (3x)

SUMITUBE®, Made of Polyolefin, Thin walled, Flexible, Cost-effective, High shrink rate



Highlights

- Operating temperature
- 55 °C to 125 °C
- Cost-effective
- Self-extinguishing
- High shrink rate 3:1
- Shrink temperature: 90 °C
- RoHS and REACH conform
- Norms: ASTM

Dimensions

Art.-No.	Before Shrinkage (mm)		After Shrinkage (mm)		Standard Packaging	
	Size	Inner Diameter (min)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85419	3/1	3.00	1.00	0.60	150	900
Z85420	6/2	6.00	2.00	0.70	60	300
Z85421	9/3	9.00	3.00	0.80	60	300
Z85422	12/4	12.00	4.00	0.85	60	300
Z85423	18/6	18.00	6.00	1.00	60	180
Z85424	24/8	24.00	8.00	1.20	60	180

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,
CUSTOMER-ORIENTED**

HEINRICH THULESIUS GMBH & CO. KG

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**SUMITOMO
ELECTRIC
GROUP**

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change by shrinking	SAE-AS23053, -5% ± 10%	-7%
	Density	ASTM D 792, max. 1,35	1,33
	Tensile strength	ASTM D 638, min. 10,4 MPa	13 MPa
	Elongation at break	ASTM D 638, min. 200%	≥ 350%
	Secant modulus	ASTM D 882, max. 173 MPa	< 150 MPa
Thermal	Operating Temperature		-55 °C to 125 °C
	Min. Shrink Temperature	For complete shrinkage	90 °C
	Shrinkage begins at		60 °C
	Heat Shock (225°C x 4h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (150 °C x 168 h)	SAE-AS23053, min. 100% Elongation	> 200%
Chemical	Low temperature Flexibility (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
	Copper corrosion (175 °C x 16 h)	SAE-AS23053, no corrosion	Passed
	Flammability	ASTM D 2671, Procedure B	Passed
Electrical	Water absorption	ASTM D 570, max. 0,5%	Passed
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 6,9 MPa (tensile strength)	Passed
Electrical	Nominal voltage		600V
	Breakdown test (2.5 kV x 60 sec.)	SAE-AS23053, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 ¹⁴ Ω/cm	4,7 x 10 ¹⁴ Ω/cm
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	≥ 20 kV/mm

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