

# HEAT-SHRINKABLE TUBING

## HTS-B5

SUMITUBE<sup>®</sup>, Made of Polyolefin, Thin walled, Flexible, Cost-effective



### Highlights

- Operating temperature - 55 °C to 125 °C
- Cost-effective
- Automotive-Standard
- Flame retardant
- Shrink rate 2:1
- Shrink temperature: 90 °C
- Light and flexible
- RoHS and REACH conform
- Norms: ASTM, SAE-AS23053

### 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)
Z85258	3/64	1.20	0.60	0.41	300	900
Z85249	1/16	1.60	0.80	0.43	300	900
Z85250	3/32	2.40	1.20	0.44	150	900
Z85251	1/8	3.20	1.60	0.44	150	900
Z85252	3/16	4.80	2.40	0.44	60	600
Z85253	1/4	6.40	3.20	0.56	60	300
Z85254	3/8	9.50	4.80	0.56	60	300
Z85255	1/2	12.70	6.40	0.56	60	300
Z85256	3/4	19.10	9.50	0.69	60	180
Z85257	1	25.40	12.70	0.77	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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### Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change by shrinking	SEI-SFP-Standard	-7%
	Elastizitätsmodul	ASTM D 882, 173 MPa max.	77 MPa
	Density	ASTM D 792, max. 1,1	Passed
	Tensile strength	ASTM D 638, min. 10,3 MPa	20 MPa
	Elongation at break	ASTM D 638, min. 200%	410%
Thermal	Operating Temperature	For complete shrinkage SAE-AS23053, no cracking, flowing or dripping	-55 °C to 125 °C
	Min. Shrink Temperature		90 °C
	Heat Shock (200°C x 4h)	UL 224, min. 100%	Passed
	Elongation after thermal aging (150 °C x168 h)	SAE-AS23053, no breaking	> 200%
Chemical	Cold bending (-55 °C x 4 h)	ASTM D 635, < 30 mm	Passed
	Flammability	ASTM D 876, min. 6,9 MPa tear resistance	Passed
	Fluid resistance (23 °C x 24 h)	ASTM D 570, max. 0,50%	0,30%
Electrical	Water absorption	ASTM D 876, min. 10 <sup>14</sup> Ω/cm ASTM D 876, min. 19,7 kV/mm	600 V
	Nominal voltage		2,0 x 10 <sup>14</sup> Ω/cm
	Volume resistance		30 kV/mm
	Dielectric strength		

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