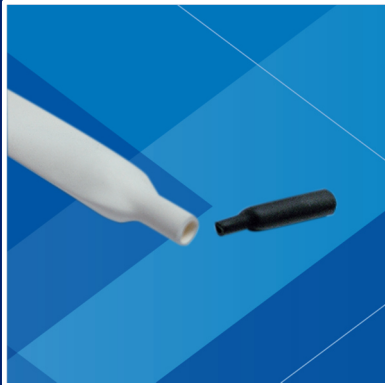


HEAT-SHRINKABLE TUBING

HTS-B2 (3x)

Made of Polyolefin, Thin walled, Flexible, Excellent quality, High Shrink rate



Highlights

- Operating temperature - 55 °C to 135 °C
- Very flexible
- Self-extinguishing
- Low inventory costs through only 8 sizes from 1.5 to 40.0 mm
- High shrink rate 3:1
- Shrink temperature: 90 °C
- RoHS and REACH conform
- Approvals: UL, CSA

Dimensions

Art.-No.	Before Shrinkage (mm)			After Shrinkage (mm)		Spool
	Size	Inner Diameter	Wall Thickness (nom.)	Inner Diameter (max.)	Wall Thickness (nom.)	
Z85960	1.5/0.5	1.50	0.20	0.50	0.50	305
Z85961	3/1	3.00	0.25	1.00	0.60	152,5
Z85962	6/2	6.00	0.25	2.00	0.70	61
Z85963	9/3	9.00	0.3	3.00	0.80	61
Z85964	12/4	12.00	0.30	4.00	0.85	61
Z85965	18/6	18.00	0.35	6.00	1.00	61
Z85966	24/8	24.00	0.40	8.00	1.20	61
Z85967	40/13	40.00	0.40	13.00	1.25	61

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



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**SUMITOMO
ELECTRIC
GROUP**

HEAT-SHRINKABLE TUBING

HTS-B2 (3x)

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change	SAE-AS23053, -5% ± 10%	-7%
	Density	ASTM D 792,	1,34
	Tensile strength	ASTM D 638, min. 10,4 MPa	≥ 12 MPa
	Elongation at break	ASTM D 638, min. 200%	≥ 400 %
Thermal	Secant modulus	ASTM D 882, max. 173 MPa	65 MPa
	Operating Temperature	SAE-AS23053	-55 °C to 135 °C
	Min. Shrink Temperature	For complete shrinkage	90 °C
	Shrinkage begins at		60 °C
	Heat Shock (250°C x 4h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (158 °C x 168 h)	SAE-AS23053, min. 100%	≥ 400%
	Low temperature flexibility (-55 °C x 4 h)	UL 224, no cracks	Passed
Chemical	Copper corrosion (158 °C x 168 Std.)	SAE-AS23053, no corrosion	Passed
	Elongation after copper corrosion test (158 °C x 168 h)	SAE-AS23053, Elongation: min. 100%	Passed
	Flammability	UL 224, VW-1	Passed
	Water absorption	ASTM D 570, max. 0,5%	0,0025
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 6,9 MPa (tensile strength)	7,25 - 14 MPa
Electrical	Fungus resistance	SAE-AS23053, ASTM G 21	Passed
	Ozone resistance	NF F 00-608, no cracking or sweating	Passed
	Nominal voltage	UL 224, 600V	
	Breakdown test (2.5kV x 60 sec.)	UL 224, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 ¹⁴ Ω/cm	3,1 x 10 ¹⁴ Ω/cm
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	≥ 30 kV/mm

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