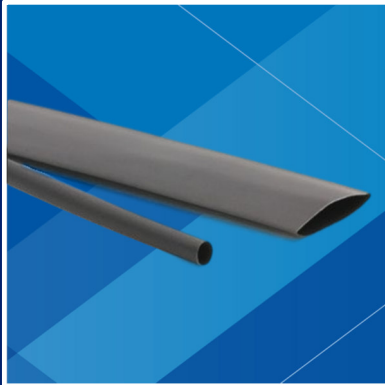


HEAT-SHRINKABLE TUBING

HTS-B2 (4x)

Made of Polyolefin, Thin walled, Flexible, Excellent quality, Very high shrink rate

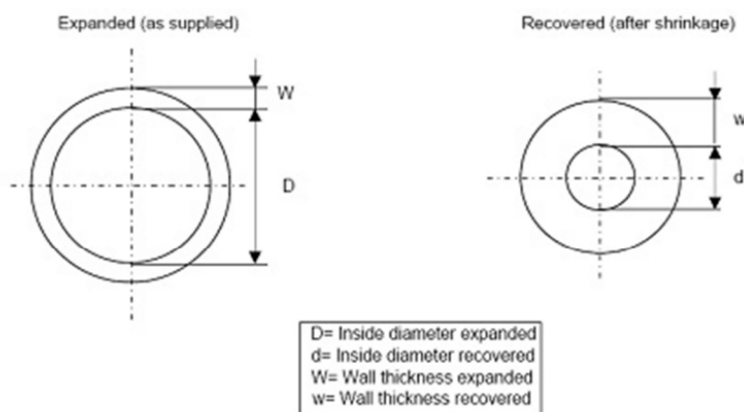


Highlights

- Operating temperature - 55 °C to 135 °C
- Very flexible
- Self-extinguishing
- Low inventory costs through only 5 sizes from 1.5 to 40.0 mm
- High shrink rate 4:1
- Shrink temperature: 90 °C
- RoHS and REACH conform
- Approvals: UL, CSA

Dimensions

Art.-No.	Before shrinkage		After shrinkage (mm)		Cut lengths (m)	Delivery units	
	Size (Inch)	Inner Diameter (mm)	Inner Diameter (max.)	Wall Thickness (nom.)		Unit quantity (m)	Box quantity (m)
Z85501	1	25.4	6.6	1.52	1.2	18	90
Z85502	1 ½	38.1	9.5	1.52	1.2	12	60
Z85503	2	50.8	12.7	1.52	1.2	12	60
Z85504	3	76.2	19.1	1.52	0.9	4.5	27
Z85505	4	101.6	25.4	1.52	0.9	4.5	27



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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) 421-48 95-0
Fax: +49 (0) 421-48 95-225
E-Mail: info@thulesius.de
www.thulesius.de

HEAT-SHRINKABLE TUBING

HTS-B2 (4x)

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change	SAE-AS23053, $\pm 5\%$	3%
	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 %
	Secant modulus	ASTM D 882, max. 173 MPa	65 MPa
Thermal	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%	$\geq 420\%$
	Low temperature flexibility (-55 °C x 4 h)	UL 224, no cracks	Passed
	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
Chemical	Flammability	UL 224, VW-1	Passed
	Water absorption	ASTM D 570, max. 0,5%	0,25%
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 6,9 MPa (tensile strength)	7,25 - 14 MPa
	Fungus resistance	SAE-AS23053, ASTM G 21	Passed
	Ozone resistance	NF F 00-608, no cracking or sweating	Passed
Electrical	Nominal voltage	UL 224, 600V	
	Breakdown test (2.5kV x 60 sec.)	UL 224, no breakdown	Passed
	Volume resistance	ASTM D 876, min. $10^{14} \Omega/\text{cm}$	$3,1 \times 10^{14} \Omega/\text{cm}$
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	≥ 37 kV/mm

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