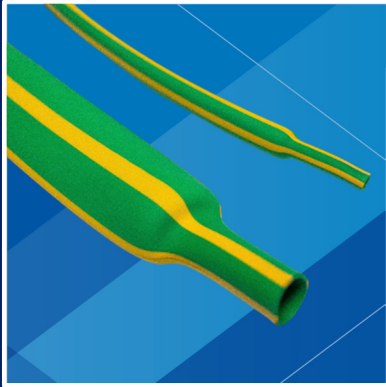


HEAT-SHRINKABLE TUBING

HTS-B2 (Y/G)

SUMITUBE®, Made of Polyolefin, Thin walled, Flexible, Excellent quality, green/yellow



Highlights

- Operating temperature - 55 °C to 135 °C
- Very flexible
- Self-extinguishing
- No fading, smearing or rubbing due to spec. extrusion process
- Shrink rate 2:1
- Shrink temperature: 90 °C
- RoHS and REACH conform
- Approvals: SAE (MIL), CSA, UL

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)
Z85178	3/64	1.20	0.60	0.41	300	900
Z85179	1/16	1.60	0.80	0.43	300	900
Z85180	3/32	2.40	1.20	0.51	150	900
Z85711	1/8	3.20	1.60	0.44 - 0.58	150	900
Z85712	3/16	4.80	2.40	0.44 - 0.58	60	600
Z85713	1/4	6.40	3.20	0.57 - 0.71	60	300
Z85714	3/8	9.50	4.80	0.57 - 0.71	60	300
Z85715	1/2	12.70	6.40	0.57 - 0.71	60	300
Z85716	3/4	19.10	9.50	0.69 - 0.83	60	180
Z85717	1	25.40	12.70	0.77 - 1.01	60	180
Z85718	1-1/2	38.10	19.10	0.87 - 1.17	60	180
Z85719	2	50.80	25.40	0.97 - 1.31	60	120

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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



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HEAT-SHRINKABLE TUBING

HTS-B2 (Y/G)

SUMITUBE[®], Made of Polyolefin, Thin walled, Flexible, Excellent quality, green/yellow

Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change	SAE-AS23053, $\pm 5\%$	0
	Density	ASTM D 792	1,34
	Tensile strength	ASTM D 638, min. 10,4 MPa	≥ 14 MPa
	Elongation at break	ASTM D 638, min. 200%	$\geq 400\%$
	Secant modulus	ASTM D 882, max. 173 MPa	65 MPa
Thermal	Operating Temperature	SAE-AS23053, -55 °C to 135 °C	-55 °C to 135 °C
	Min. Shrink Temperature	For complete shrinkage	90 °C
	Shrinkage begins at		60 °C
	Heat shock (250 °C x 4 h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (175 °C x 168 h)	SAE-AS23053, min. 100% elongation	4,2
	Low temperature flexibility (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
Chemical	Copper Corrosion (175 °C x 16 h)	SAE-AS23053, no Corrosion	Passed
	Colour stability (158 °C x 24 h)	SAE-AS23053, MIL-STD-104	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 bis 16,5 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	$3,1 \times 10^{14}$ Ω /cm
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	37 kV/mm

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