

HEAT-SHRINKABLE TUBING

HTS-W3F2 (3x)

SUMITUBE[®], Made of Polyolefin, Inside Adhesive, Thin-walled, Flexible, UL/CSA



Highlights

- Operating temperature
- 55 °C bis 110 °C
- Excellent sealing due to inside adhesive
- Self-extinguishing
- Shrink temperature 110 °C
- High shrink rate 3:1
- RoHS and REACH conform
- Approvals: UL, CSA, MIL (SAE)

Dimensions

Art.-No.	Before Shrinkage (mm)			After Shrinkage (mm)			Standard Packaging	
	Inch	Inner Diameter (min.)	Wall Thickness (nom.)	Inner Diameter (max.)	Wall Thickness (nom.)	Adhesive Thickness (nom.)	Cut Lengths (m)	Box (m)
Z85551	1/8	3.20	0.35	0.60	0.95	0.35	1.20	600
Z85552	3/16	4.80	0.45	1.50	1.10	0.60	1.20	300
Z85553	1/4	6.40	0.45	2.00	1.20	0.65	1.20	300
Z85554	3/8	9.50	0.50	3.00	1.30	0.65	1.20	150
Z85555	1/2	12.7	0.55	4.00	1.40	0.75	1.20	150
Z85556	3/4	19.1	0.65	8.00	1.60	0.80	1.20	90
Z85557	1	25.4	0.75	10.2	1.90	0.80	1.20	90

Technical characteristics

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change by shrinking	SAE-AMS-DTL 23053, min. +5 /- 15%	Passed
	Tensile strength	ASTM D 678, min. 10.35 MPa	Passed
	Elongation at break	ASTM D 678, min. 200%	562%
	Secant modulus	ASTM D 882	172.5 MPa

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
Thermal	Operating temperature		-55 °C to 110 °C
	Min. Shrink Temperature	For complete shrinkage	110 °C
	Bending at low temperature: -55 °C	ASTM D 746, no cracks	Passed
	Heat shock (250°C x 4h)	No cracking	Passed
	Corrosion of pure copper	(158 °C x 7 days), no corrosion under 95% humidity, (23 °C x 24 h)	Passed
Chemical	Flammability	UL224, self-extinguishing	Passed
	Water absorption	ASTM D570, max. 1.0%	Passed
	Corrosion (175 °C x 16 h)	SAE-AMS-DTL 23053, not corrosive	Passed
	Solvent resistance (23 °C x 24 h), tensile strength	SAE-AMS-DTL 23053, 6.9 MPa	Passed
Electrical	Dielectric strength	AC 2.5kV x 60 sec., no damage	Passed
	Breakdown resistance	min. AC 2.5kV	24.9kV
	Volume resistance	min. 1 x 10 ¹² Ω/cm	4.4 x 10 ¹⁴ Ω/cm

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