

HEAT-SHRINKABLE TUBING

HTS-W5DL

SUMITUBE[®], Made of Polyolefin, Thin walled, Semi-rigid, Halogen free, Inside adhesive



Highlights

- Operating temperature
- 55 °C to 125 °C
- Halogen free
- Very good moisture protection
- Good abrasion resistance
- Shrink rate 2:1
- Shrink temperature 150 °C
- Not self-extinguishing
- RoHS and REACH conform
- Approvals: UL, MIL

Dimensions

Art.-No.	Before shrinkage (mm)		After shrinkage (mm)		Standard packaging	
	Inch	Inner diameter (min)	Inner diameter (max.)	Wall thickness nom.	Cut lengths (m)	Box
Z85668	1/8	3.20	0.6	0,97	1.20	600
Z85669	3/16	4.80	1.5	1.10	1.20	300
Z85670	1/4	6.40	2.0	1.20	1.20	300
Z85671	3/8	9.50	3.4	1.27	1.20	150
Z85672	1/2	12.7	4.9	1.40	1.20	150
Z85673	3/4	19.1	8.0	1.65	1.20	90
Z85674	1	25.4	10.2	1.90	1.20	90

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,
CUSTOMER-ORIENTED**

HEINRICH THULESIUS GMBH & CO. KG
Zum Panrepeel 15, D-28307 Bremen, GERMANY



SERVICE

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**SUMITOMO
ELECTRIC
GROUP**

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Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change by shrinking	SAE-23053, -10% to 1%	-7%
	Tensile strength	ASTM D 638, Min. 10,4 MPa	18 MPa
	Elongation at break	ASTM D 638, Min. 200%	390%
	Secant modulus	ASTM D 882, Min. 173 MPa	253 MPa
Thermal	Operating temperature	UL 224, -55 up to 125°C	-55 up to 125°C
	Min. Shrink Temperature	Shrink curve, full recovery	150°C
	Heat shock (250°C x 4h)	SAE-AS23053, no cracking, flowing or dripping of the hose cover	Passed
	Heat resistance (175°C x 168h)	SAE-AS23053, no cracking	Passed
	Cold impact (-55°C x 4h)	ASTM D 746, no cracking	Passed
Chemical	Copper corrosion (121°C x 16h)	SAE-AS23053, no corrosion	Passed
	Water Absorption	ASTM D 570, Max. 0,5%	0,10%
Electrical	Fluid Resistance (after immersion 24°C x 24h)	SAE-AS23053, Min. 6,2 MPa (Tensile Strength)	Pass
	Volume resistance	ASTM D 876, Min. 1015 Ω·cm	4,6 x 10 ¹⁶ Ω·cm
Others	Dielectric strength	ASTM D 876, Min. 19,7 kV/mm	≥ 30 kV/mm
	Sealing efficiency	SAE-AS23053, no openings on reheat	Passed

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