

# HEAT-SHRINKABLE TUBING

## HTS-W5C (4x)

SUMITUBE<sup>®</sup>, Made of Polyolefin, Inside adhesive, Thin-walled, Halogen free, Transparent



### Highlights

- Operating temperature - 55 °C to 105 °C
- Inexpensive heat shrink tubing with excellent sealing due to inside adhesive
- Shrink temperature 110 °C
- High shrink rate 4:1
- Halogen free
- Visual inspection after shrinking is possible
- RoHS and REACH conform

### 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 (m)
Z85535	4/1	4.00	1.0	1.00	1.20	300
Z85536	8/2	8.00	2.0	1.20	1.20	150
Z85537	12/3	12.0	3.0	1.40	1.20	150
Z85538	16/4	16.0	4.0	1.80	1.20	150
Z85539	24/6	24.0	6.0	2.25	1.20	90
Z85540	32/8	32.0	8.0	2.50	1.20	24

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**

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#### Technical characteristics

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change by shrinking	SAE-AS23053, -15% to 5%	-7%
	Tensile strength	ASTM D 638, min. 10.4 MPa	≥ 15 MPa
	Elongation at break	ASTM D 638, min. 200%	≥ 400%
	Secant modulus	ASTM D 882, max. 173 MPa	< 150 MPa
Thermal	Operating temperature		-55 °C to 105 °C
	Min. Shrink Temperature	For complete shrinkage	110 °C
	Elongation after thermal aging (136 °C x 168 h)	UL224, min. 100%	≥ 300%
	Low temperature Flexibilität (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
Chemical	Water absorption	ASTM F 570, max. 1.0%	< 0.4%
Electrical	Nominal voltage		600V
	Breakdown test (2.5kV x 60 sec.)	UL224, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 <sup>12</sup> Ω/cm	≥ 1 x 10 <sup>14</sup> Ω/cm
	Dielectric strength	ASTM D 876, min. 11.8kV/mm	≥ 20 kV/mm

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