

# HEAT-SHRINKABLE TUBING

## HTS-W3B2 (3x) und (4x)

SUMITUBE®, Made of Polyolefin, Inside adhesive, Top quality (!!!), Thin-walled, Flexible



### Highlights

- Operating temperature  
- 55 °C to 125 °C
- Self-extinguishing
- Excellent sealing due to inside adhesive (meets IP67 and IP68)
- Abrasion resistant
- High shrink rate 3:1 or 4:1
- RoHS and REACH conform
- Approvals: UL, CSA (CSA not with 4x)

### 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)
<b>W3B2 (3X)</b>						
Z85561	3/1	3.0	1,00	1.00	1.20	600
Z85562	4.5/1.5	4.8	1,50	1.10	1.20	300
Z85563	6/2	6.1	2.00	1.00	1.20	300
Z85564	9/3	9.5	3.00	1.30	1.20	150
Z85565	12/4	11.9	4.10	1.80	1.20	150
Z85566	19/6	19.1	6.00	1.80	1.20	90
Z85567	24/8	23.9	8.10	2.50	1.20	90
Z85570	40/13	39.9	13.0	2.50	1.20	12
<b>W3B2 (4X)</b>						
Z85579	4/1	4.0	1.00	1.00	1.20	300
Z85580	8/2	8.0	2.00	1.00	1.20	150
Z85582	12/3	12.0	3.00	1.40	1.20	150
Z85581	16/4	16.0	4.00	1.80	1.20	150
Z85585	24/6	24.0	6.00	2.50	1.20	90
Z85558	32/8	32.0	8.00	2.50	1.20	12
Z85583	52/13	52.0	13.0	2.50	1.20	12

Spools and non standard sizes upon request!

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



SERVICE

Tel: +49 (0) 421-4895-0  
Fax: +49 (0) 421-4895-225  
E-Mail: [info@thulesius.de](mailto:info@thulesius.de)  
[www.thulesius.de](http://www.thulesius.de)

**SUMITOMO  
ELECTRIC  
GROUP**

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#### Technical characteristics

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change by shrinking	SAE-AS23053, 1% bis - 15%	≥ -7%
	Tensile strength	ASTM D638, min. 10.4 MPa	≥ 15 MPa
	Elongation at break	ASTM D638, min. 200%	≥ 350%
	Secant modulus	ASTM D 882, max. 173 MPa	≤ 80 MPa
Thermal	Operating temperature	UL224	-55 °C to 125 °C
	Min. Shrink Temperature	For complete shrinkage	110 °C
	Heat shock (250°C x 4h)	SAE-AS23053, no cracking, flowing oder dripping	Passed
	Notched impact strength (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
	Copper corrosion (158 °C x 168 h)	SAE-AS23053, no corrosion	Passed
	Colour stabiliy (175 °C x 24 h)	SAE-AS23053, no changes	Passed
Chemical	Flammability	UL224, flame resistant	Passed
	Water absorption	ASTM D 570, max. 1.0%	≤ 0.50%
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 6,2 MPa (tensile strength) SAE-AS23053, min. 7,9 kV/mm (dielectric strength)	Passed Passed
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	≥ 10 <sup>14</sup> Ω/cm
	Dielectric strength	ASTM D 876, min. 11.8kV/mm	≥ 25 kV/mm
Other properties	Sealing reliability	SAE-AS23053, no openings when reheating	Passed

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