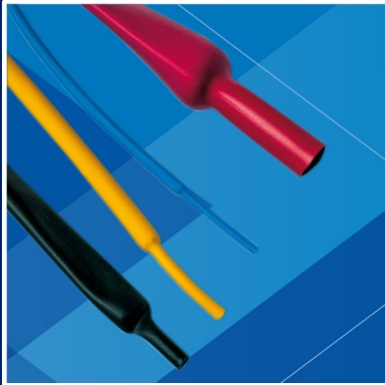


HEAT-SHRINKABLE TUBING

HTS-B11

SUMITUBE[®], Made of Polyolefin, Thin walled, Flexible, Cost-effective



Highlights

- Operating temperature - 55 °C to 125 °C
- Cost-effective
- Self-extinguishing
- Shrink rate 2:1
- Shrink temperature: 90 °C
- RoHS and REACH conform
- Norms: ASTM

Dimensions

Art.-No.	Before Shrinkage (mm)			After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter	Wall Thickness (nom.)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85948	3/64	1.20	0.20	0.60	0.41±0.07	300	900
Z85949	1/16	1.60	0.20	0.80	0.43±0.07	300	900
Z85950	3/32	2.40	0.25	1.20	0.51±0.07	150	900
Z85951	1/8	3.20	0.25	1.60	0.51±0.07	150	900
Z85952	3/16	4.80	0.30	2.40	0.51±0.07	60	600
Z85953	1/4	6.40	0.30	3.20	0.64±0.07	60	300
Z85954	3/8	9.50	0.30	4.75	0.64±0.07	60	300
Z85955	1/2	12.70	0.30	6.4	0.64±0.07	60	300
Z85956	3/4	19.10	0.40	9.5	0.76±0.07	60	180
Z85957	1	25.40	0.45	12.7	0.89±0.12	60	180
Z85217	1-1/4	31.80	0.45	15.9	1.02±0.15	60	180
Z85958	1-1/2	38.10	0.45	19.1	1.02±0.15	60	180
Z85959	2	50.80	0.50	25.4	1.14±0.17	60	120
Z85947	3	76.20	0.55	38.1	1.27±0.20	60	60
Z85946	4	101.60	0.60	50.8	1.40±0.22	30	30

HTS-B11 Colours, with article numbers

Colour/ Size	3/64	1/16	3/32	1/8	3/16	1/4	3/8	1/2	3/4	1	1-1/2	2	3	4
Blue	Z85873	Z85874	Z85875	Z85876	Z85877	Z85878	Z85879	Z85880	Z85881	Z85882	Z85883	Z85885	Z85884	Z85892
Yellow	Z85842	Z85898	Z85899	Z85900	Z85901	Z85902	Z85903	Z85904	Z85905	Z85906	Z85908	Z85907	Z85986	Z85841
Red	Z85698	Z85886	Z85887	Z85888	Z85889	Z85890	Z85891	Z85892	Z85893	Z85894	Z85895	Z85896	Z85897	Z85909
White	Z85696	Z85910	Z85911	Z85912	Z85913	Z85914	Z85915	Z85916	Z85917	Z85918	Z85919	Z85920	Z85809	Z85810
(Green)	Z85860	Z85861	Z85862	Z85863	Z85864	Z85865	Z85866	Z85867	Z85867	Z85847	Z85848	Z85846	Z85849	Z85859

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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www.thulesius.de

**SUMITOMO
ELECTRIC
GROUP**

HEAT-SHRINKABLE TUBING

HTS-B11

SUMITUBE[®], Made of Polyolefin, Thin walled, Flexible, Cost-effective

Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change by shrinking	SAE-AS23053, -5% ± 10%	-5%
	Density	ASTM D 792, max. 1,35	1,33
	Tensile strength	ASTM D 638, min. 10,4 MPa	13 MPa
	Elongation at break	ASTM D 638, min. 200%	4
	Secant modulus	ASTM D 882, max. 173 MPa	110 MPa
Thermal	Operating Temperature		-55 °C to 125 °C
	Min. Shrink Temperature	For complete shrinkage	90 °C
	Shrinkage begins at		60 °C
	Heat Shock (225°C x 4h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (150 °C x 168 h)	SAE-AS23053, min. 100% Elongation	2,1
Chemical	Low temperature Flexibility (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
	Copper corrosion (175 °C x 16 h)	SAE-AS23053, no corrosion	Passed
	Flammability	ASTM D 2671, Procedure B	Passed
Electrical	Water absorption	ASTM D 570, max. 0,5%	0,0035
	Fluid resistance (24 °C x 24 h)	SAE-AS23053, min. 6,9 MPa (tensile strength)	Passed
Electrical	Nominal voltage		600V
	Breakdown test (2.5 kV x 60 sec.)	SAE-AS23053, no breakdown	Passed
	Volume resistance	ASTM D 876, Min. 10 ¹⁴ Ω/cm	4,7x10 ¹⁴ Ω/cm
	Dielectric strength	ASTM D 876, Min. 19,7 kV/mm	≥ 25 kV/mm

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