

Heat shrink tube with adhesive, MWTM, UV-resistant, halogen free

MWTM heat shrink tubes are designed for insulation on low voltage cable accessories, as well as for sealing and protection purposes on low and medium voltage cables. The heat shrinking tubes MWTM are halogen free and silicone free. Further these tubes are UV stabilized. MWTM tubes are inline coated with a hot mield adhesive.



Product facts of heat shrink tube MWTM

- 3 to 1 shrink ratio
- Halogen free
- Silicon free
- UV-resistant
- High mechanical strength
- Unlimited shelf-life

Temperature

Operating range	-40°C to +90°C
Min. shrinking temperature	+70°C
Min. full recovery temperature	+90°C

Dielectric strength of heat shrink tube MWTM

- $\geq 10 \text{ kV} / \text{mm min.}$

Sizes in mm

Part Number	Inside diameter		Wall thickness	Pieces of 1.00 Meter
	As supplied	After heating	After heating +/- 5%	in Meter
MWTM-10/3-1000/172	10.00	3.00	1.00	25
MWTM-16/5-1000/172	16.00	5.00	1.40	25
MWTM-25/8-1000/172	25.00	8.00	2.00	10
MWTM-35/12-1000/172	35.00	12.00	2.00	10
MWTM-50/16-1000/172	50.00	17.00	2.00	10
MWTM-63/19-1000/172	63.00	19.00	2.40	10
MWTM-75/22-1000/172	75.00	22.00	2.70	5
MWTM-85/25-1000/172	85.00	25.00	2.80	5
MWTM-95/29-1000/172	95.00	29.00	3.10	5
MWTM-115/34-1000/172	115.00	34.00	3.10	5
MWTM-140/42-1000/172	140.00	42.00	3.10	5
MWTM-160/50-1000/172	160.00	50.00	3.20	5
MWTM-180/60-1000/172	180.00	60.00	3.20	5

Standard Colour

Colour	Black
Ordering code	0

Testing of heat shrink tube MWTM

Physical Characteristic	Test Method	Material Requirements
Tensile Strength	ISO 37	14 MPa min
Ultimate Elongation	ISO 37	350% min
Hardness	ISO 868	≥45 shore D
Accelerated ageing		
7 days at +150°C +/- 2°C	ISO 188	
Tensile Strength	ISO 37	14 MPa min
Ultimate Elongation	ISO 37	350% min
Thermal Endurance*	IEC 60216	120°C min.
Low Temperature Flexibility	ASTM D2671 Procedure C	No cracking at 4 hours at -40°C +/- 3°C
Dielectric Strength	IEC 60243 part 1 and 2	≥10 kV/mm min.
Volume Resistivity	IEC 60093	1 x 10 ¹⁰ Ω cm min
Water Absorption	ISO 62 method 1	≤0.25% max after 14 days at 23°C +/- 2°C
Weathering	the material from which MWTM is manufactured contains carbon black to protect it from ultra-violet light	
Resistance to Liquids		
7 days in transformer oil VDE 0370 at 23°C +/- 2°C	ISO 1817	
Tensile Strength	ISO 37	14 MPa min
Ultimate Elongation	ISO 37	300% min.