

### Heat shrink tube with adhesive, WCSM, halogen free, UV-resistant

WCSM 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 WCSM are halogen free and silicone free. Further these tubes are UV stabilized. WCSM tubes are inline coated with a hot mield adhesive.



#### Product facts of heat shrink tube WCSM

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

#### Temperature

Operating range	-40°C to +100°C
Min. shrinking temperature	+120°C

#### Dielectric strength of heat shrink tube WCSM

- $\geq 10$  kV / mm min.

#### Sizes in mm

Part Number	Inside diameter		Wall thickness
	As supplied	After heating	After heating +/- 5%
WCSM-12/3-1000/S	12	3	2
WCSM-16/4-1000/S	16	4	2.4
WCSM-24/6-1000/S	24	6	2.7
WCSM-34/8-1000/S	33	8	4
WCSM-48/12-1000/S	48	12	4.5
WCSM-56/16-1000/S	56	16	4.4
WCSM-70/20-1000/S	70	20	4.4
WCSM-90/25-1000/S	90	25	4.3
WCSM-110/30-1000/S	110	30	4.3
WCSM-130/35-1000/S	130	35	4.3
WCSM-160/50-1000/S	160	50	4.3
WCSM-180/50-1000/S	180	50	4.3
WCSM-200/50-1000/S	200	50	4.3
WCSM-250/65-1000/S	250	65	4.3
WCSM-320/95-1000/S	320	95	4.3
WCSM-385/110-1000/S	385	110	4.3

#### Standard Colour

Colour	Black
Ordering code	0

## Testing of heat shrink tube WCSM

Physical Characteristic	Test Method	Material Requirements
Tensile Strength	ISO 37	12 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	12 MPa min
Ultimate Elongation	ISO 37	350% 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 <sup>10</sup> 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 WCSM is manufactured contains carbon black (≥ 2.5%) to protect it from ultra-violet light	
<b>Application Characteristics</b>		
Longitudinal shrinkage free recovered		≤ - 10%