

DATA SHEET



PCA-DS-009

**PRTM - CO-EXTRUDED MEDIUM WALL TUBING WITH
HOT MELT ADHESIVE LINED**



Typical Application: LV & MV Cable Joints & Terminations

It is a general-purpose medium wall tubing supplied with (co-extruded) or without adhesive coating. It is used for cable outer sheath replacement, sealing and corrosion protection or uncoated as an insulating material or protective cover for LV & MV Cables.

The tubing is normally used in LV & MV Cable Joints & terminations from 1kV onwards.

It is available in various sizes, generally expanded in the ratio 3+:1 to make it range taking.

Test Parameters	Test Method	Test Requirement
Tensile strength	ASTM D 2671	12 MPa min.
Ultimate elongation	ASTM D 2671	350% min.
Volume resistivity	ASTM D 2671	$10^{12} \Omega \cdot \text{cm}$ min.
Tensile strength after aging at 150°C for 168 hrs.	ASTM D 2671	12 MPa min.
Ultimate elongation after aging at 150°C for 168 hrs.	ASTM D 2671	300% min.
Density	ASTM D 792	1.0 - 1.1 g/cm ³
Dielectric strength	ASTM D 60243	12 kV/mm (2 mm) min.
Low temperature flexibility -40°C / 4 hrs.	ASTM D 2671	No cracking of outer jacket
Properties of Melt Adhesive		
Water absorption	ISO 62	0.2% max.
Peel strength (PE)	ASTM D 2671	4 N/cm min.
Softening point	ASTM E28	105 +/- 5°C

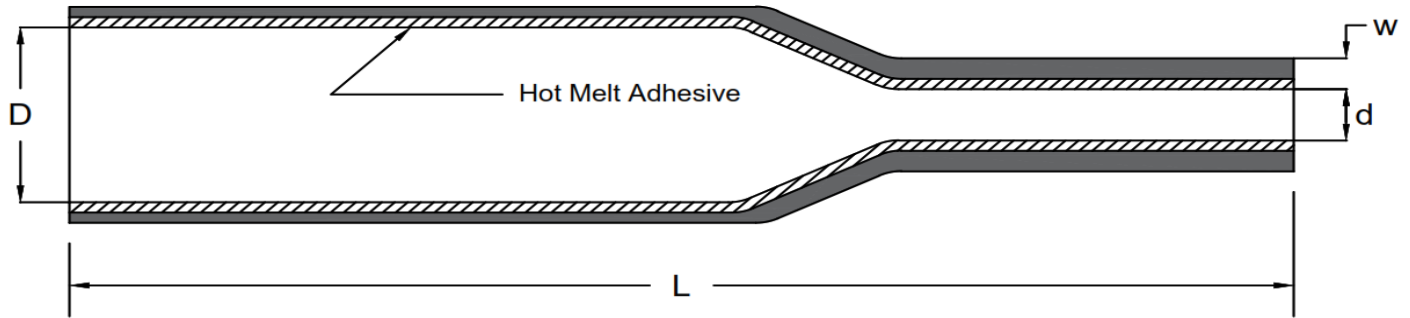
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DIMENSIONS:



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Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
8/2	8	2	1.8	1.0 - 1.5 m
12/3	12	3	1.9	1.0 - 1.5 m
16/5	16	5	1.9	1.0 - 1.5 m
19/5	19	5	1.9	1.0 - 1.5 m
22/6	22	6	2.1	1.0 - 1.5 m
28/6	28	6	2.6	1.0 - 1.5 m
33/8	33	8	2.4	1.0 - 1.5 m
40/12	40	12	2.4	1.0 - 1.5 m
45/12	45	12	2.4	1.0 - 1.5 m
55/16	55	16	2.4	1.0 - 1.5 m
65/19	65	19	2.6	1.0 - 1.5 m
75/22	75	22	2.8	1.0 - 1.5 m
95/25	95	25	3.1	1.0 - 1.5 m
115/34	115	34	3.5	1.0 - 1.5 m
140/42	140	42	3.4	1.0 - 1.5 m
160/50	160	50	3.4	1.0 - 1.5 m