

DATA SHEET



PCA-DS-005

PDWT - SEMI-CONDUCTIVE / INSULATION DOUBLE LAYER
SCREENED INSULATING COMPOSITE TUBING



Typical Application: MV Cable joints

It is a screened insulating, composite tubing. The inner layer provides an excellent insulating layer over the connection of jointed single and multicore cables. The outer layer provides a conductive layer (screen function) for joints used on cables with XLPE or rubber or PVC insulation and on paper insulated cables.

The tubing is normally used in MV Cable Joints > 1kV.

It is available in various sizes, generally expanded in the ratio 2.5+:1 to make it range taking.

Test Parameters	Test Method	Test Requirement
Insulation Layer		
Tensile Strength	ASTM D 2671	10 MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Volume resistivity	IEC 93	10^{14} Ω .cm min.
Water absorption	ISO 62	0.5% max.
Semi Conductive Layer		
Tensile Strength	ASTM D 2671	12 MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Volume resistivity	IEC 93	10^4 Ω .cm min.

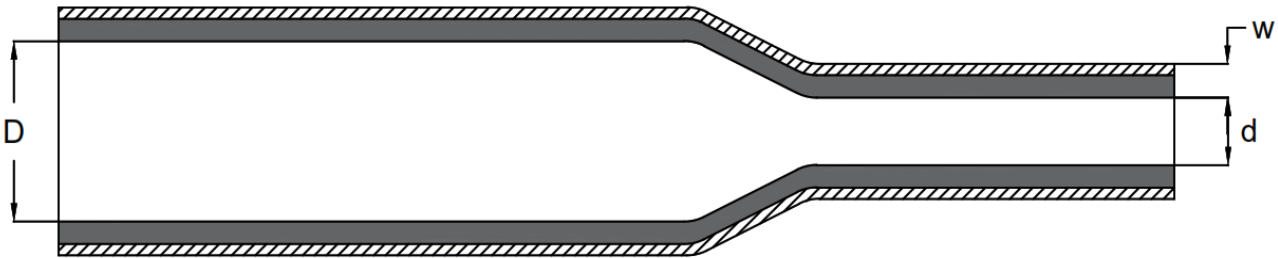
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DIMENSIONS:



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Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
36/12	36	12	5.4	1.0 - 1.2 m
45/15	45	15	5.4	1.0 - 1.2 m
55/18	55	18	5.4	1.0 - 1.2 m
65/22	65	22	6.0	1.0 - 1.2 m
73/26	73	26	6.0	1.0 - 1.2 m
85/30	85	30	6.0	1.0 - 1.2 m
95/34	95	34	6.0	1.0 - 1.2 m
100/38	100	38	6.0	1.0 - 1.2 m
115/34	115	34	6.0	1.0 - 1.2 m
120/45	120	45	6.1	1.0 - 1.2 m