

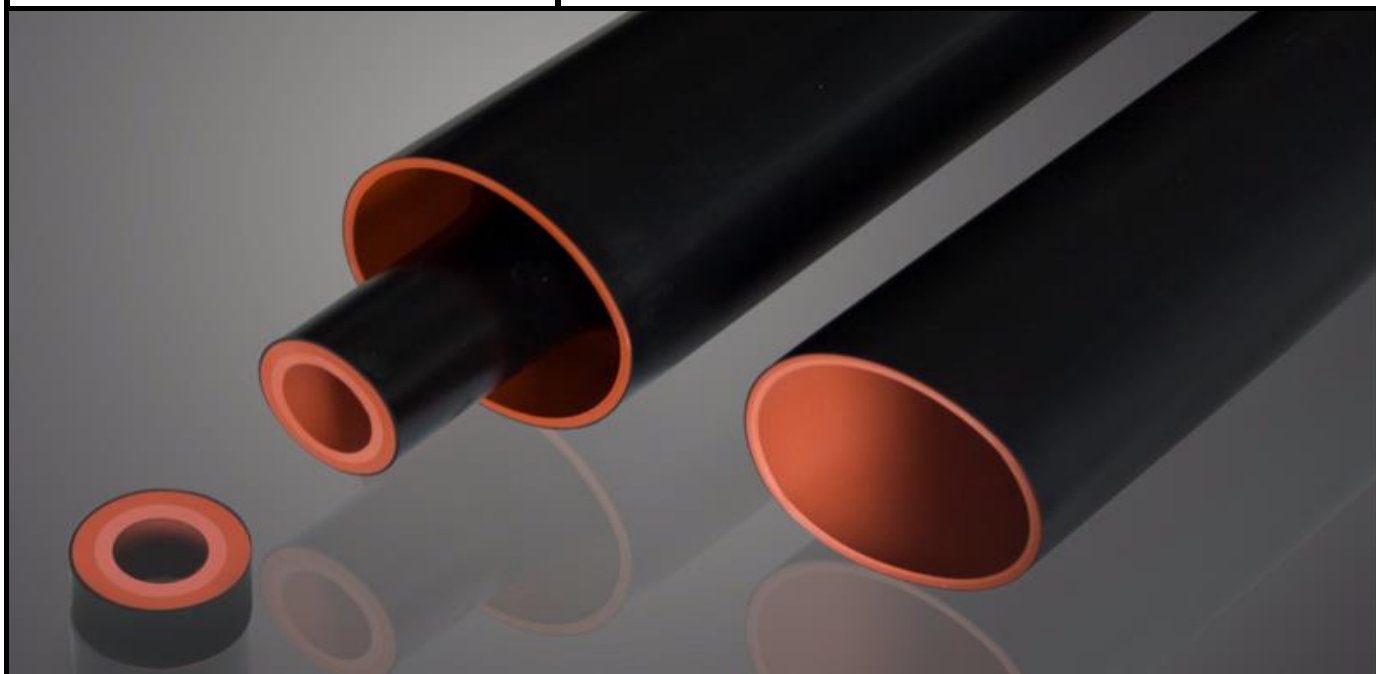
DATA SHEET



PCA TECHNOLOGIES
PLUG IN TO THE FUTURE

PCA-DS-006

**PTRT - ELASTOMER TRIPLE LAYER SCREENED
INSULATING COMPOSITE TUBING**



Typical Application: MV & HV Cable Joints

It is a triple extruded composite joint sleeve. The combination of the inner elastomeric layer and the heat-shrink middle layer provides a reliable insulation replacement over the connection of jointed cables. The black outer layer is conductive and provides the screening function.

The tubing is normally used in MV & HV (72kV) 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	ASTM D 257	10^4 Ω .cm min.
Elastomer Layer		
Tensile Strength	ASTM D 2671	5 MPa min.
Ultimate elongation	ASTM D 2671	500% min.
Volume resistivity	IEC 93	10^{14} Ω .cm min.

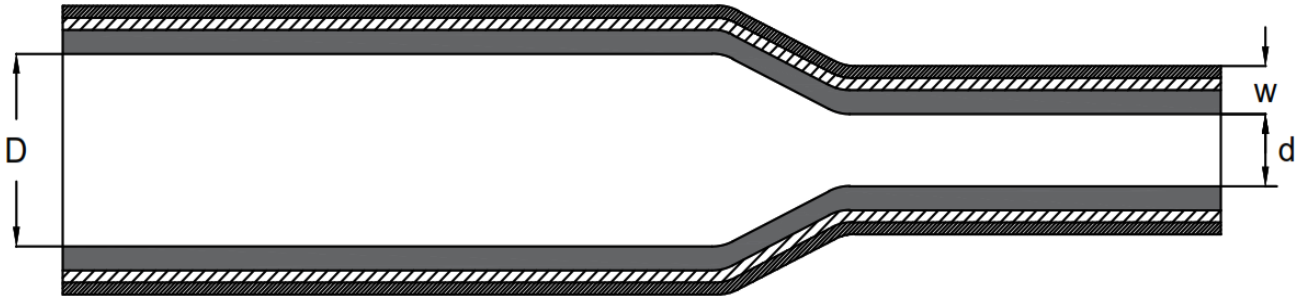
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INSULATING COMPOSITE TUBING**

DIMENSIONS:



Continuous length tubing (PTRT)

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
36/12	36	12	7.3	1.0 - 1.22 m
46/15	46	15	7.3	1.0 - 1.22 m
50/18	50	18	7.3	1.0 - 1.22 m
56/21	56	21	7.3	1.0 - 1.22 m
62/25	62	25	7.3	1.0 - 1.22 m
70/30	70	30	7.3	1.0 - 1.22 m
80/36	80	36	7.3	1.0 - 1.22 m
95/40	95	40	7.3	1.0 - 1.22 m
120/50	120	50	7.3	1.0 - 1.22 m