DATA SHEET

PCA TECHNOLOGIES
PLUG IN TO THE FUTURE

PCA-DS-003	PEGT - HIGH INSULATION / ELASTOMERIC DOUBLE LAYER TUBING

Typical Application: MV Cable Joints

The tubing provides an excellent insulating cover over the connection of jointed single and multicore cables. Tubing is used in joints for cables with solid dielectric XLPE, rubber, PVC or PILC (MI/MIND) insulation. The tubing is a dual wall tubing with an inner Elastomeric Layer and a heat shrink outer layer.
The tubing is normally used in Cable Joints for voltages > 1 kV.
It is available in various sizes, generally expanded in the ratio 2.4+:1 to make it range taking.

Test Parameters	Test Method	Test Requirement
Inner Layer		
Tensile Strength	ASTM D 2671	5 MPa min.
Ultimate elongation	ASTM D 2671	800% min.
Water absorption	ISO 62	0.5% max.
Dielectric strength	IEC 60243	22 kV/mm min.
Volume resistivity	IEC 93	10^{14} Ω.cm. min.
Outer Layer		
Tensile Strength	ASTM D 2671	12 MPa min.
Ultimate elongation	ASTM D 2671	300% min.
Dielectric strength	IEC 60243	20 kV/mm min.
Volume resistivity	IEC 93	10^{14} Ω.cm. min.
Water absorption	ISO 62	0.5% max.

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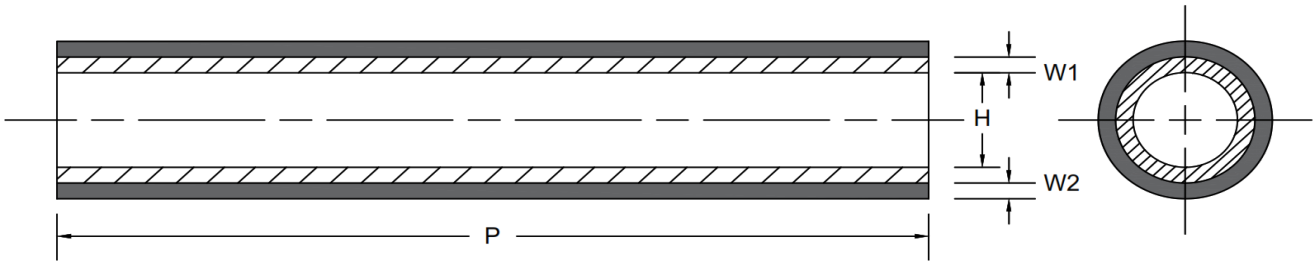
DIMENSIONS:



Continuous length tubing (PEGT)						
Size (mm)	H a (mm)	H b (mm)	W1 b (mm)	W2 b (mm)	W1 + W2 b (mm)	P Standard Length
	Min.	Max.	Nom.	Min.	Min.	
42/16	42	16	1.9	2.0	3.9	0.38 - 1.5 m
54/24	54	21	1.9	2.0	3.9	0.38 - 1.5 m
62/26	62	26	1.9	2.0	3.9	0.38 - 1.5 m
55/20	55	20	2.9	3.0	5.9	0.38 - 1.22 m
62/25	62	25	2.9	3.0	5.9	0.38 - 1.22 m
70/30	70	30	2.9	3.0	5.9	0.38 - 1.22 m
80/34	80	34	2.9	3.0	5.9	0.38 - 1.22 m
95/40	95	40	2.9	3.0	5.9	0.38 - 1.22 m