

DATA SHEET



PCA-DS-004

PSCT - STRESS CONTROL TUBING



Typical Application: MV Cable Terminations & Joints

The Stress control tubing provides the stress control function for cable terminations & joints of solid dielectric XLPE, rubber, PVC or PILC (MI/MIND) insulated screened cables.

The tubing is normally used in MV Cable Joints & terminations > 3.3 kV. It is available in various sizes, generally expanded in the ratio 2+:1 to make it range taking.

Design software for customised applications / selection available.

Typical Test Performance Upto 24 kV

Test Parameters	Test Method	Test Requirement
Tensile strength	ASTM D 2671	8 MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Heat shock at 200°C / 30 min	ASTM D 2671	No cracking, dropping
Permittivity	IEC 60250	15 - 35
Volume resistivity	IEC 93	10 ¹¹ Ω.cm min.

Typical Test Performance Upto 36 kV

Test Parameters	Test Method	Test Requirement
Tensile strength	ASTM D 2671	8 MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Heat shock at 200°C / 30 min	ASTM D 2671	No cracking, dropping
Permittivity	IEC 60250	30 - 55
Volume resistivity	IEC 93	10 ⁹ Ω.cm min.

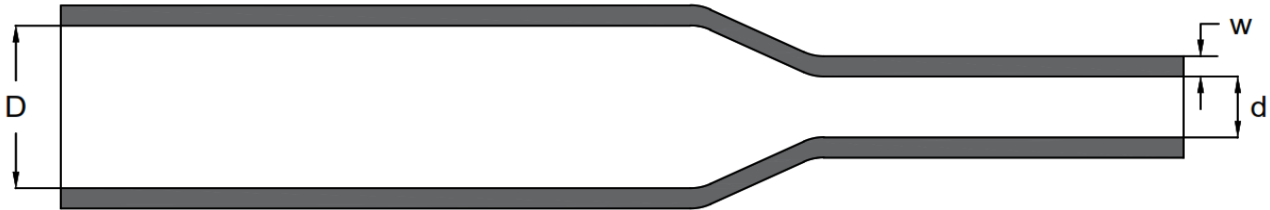
DATA SHEET



PCA-DS-004

PSCT - STRESS CONTROL TUBING

DIMENSIONS:



PSCT UPTO 24 kV

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
26/10	26	10	2.1	15 m / Spool or 1.0 - 1.5 m
30/12	30	12	2.2	15 m / Spool or 1.0 - 1.5 m
35/15	35	15	2.3	15 m / Spool or 1.0 - 1.5 m
40/16	40	16	2.4	15 m / Spool or 1.0 - 1.5 m
47/18	47	18	2.4	15 m / Spool or 1.0 - 1.5 m
55/21	55	21	2.4	15 m / Spool or 1.0 - 1.5 m
65/25	65	25	2.4	15 m / Spool or 1.0 - 1.5 m
75/30	75	30	2.4	15 m / Spool or 1.0 - 1.5 m

PSCT UPTO 36 kV

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
35/15	35	15	2.3	15 m / Spool or 1.0 - 1.5 m
47/18	47	18	2.4	15 m / Spool or 1.0 - 1.5 m
55/21	55	21	2.4	15 m / Spool or 1.0 - 1.5 m
65/25	65	25	2.4	15 m / Spool or 1.0 - 1.5 m
75/30	75	30	2.4	15 m / Spool or 1.0 - 1.5 m