

DATA SHEET



PCA-DS-007

**PRA2 / PR2 - MEDIUM WALL INSULATION TUBING
WITH / WITHOUT HOT MELT ADHESIVE COATING**



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 | 85 +/- 5°C |

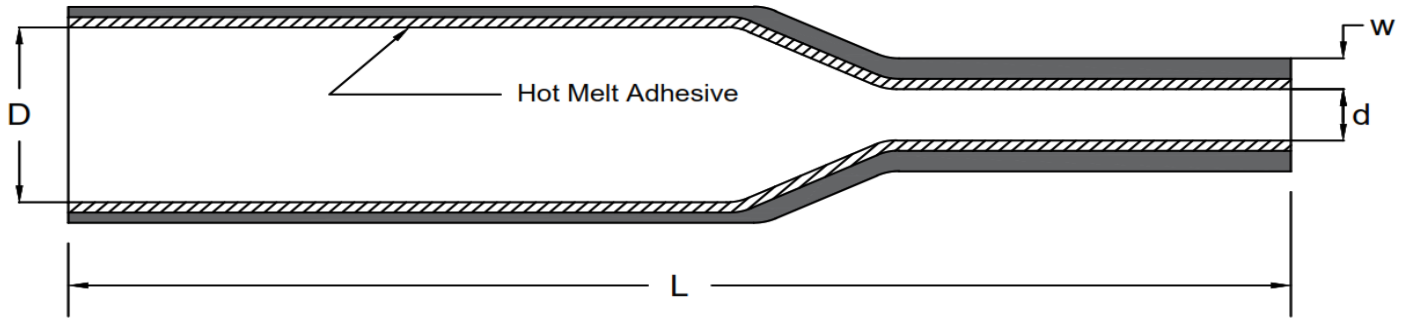
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DIMENSIONS:



PRA2 (WITH HOT MELT ADHESIVE)

| 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 | 1.8 | 1.0 - 1.5 m |
| 16/5 | 16 | 5 | 2.1 | 1.0 - 1.5 m |
| 22/6 | 22 | 6 | 2.4 | 1.0 - 1.5 m |
| 28/6 | 28 | 6 | 2.7 | 1.0 - 1.5 m |
| 33/8 | 33 | 8 | 2.6 | 1.0 - 1.5 m |
| 40/12 | 40 | 12 | 2.6 | 1.0 - 1.5 m |
| 55/16 | 55 | 16 | 2.7 | 1.0 - 1.5 m |
| 65/19 | 65 | 19 | 2.9 | 1.0 - 1.5 m |
| 75/22 | 75 | 22 | 3.0 | 1.0 - 1.5 m |
| 95/25 | 95 | 25 | 3.6 | 1.0 - 1.5 m |
| 115/34 | 115 | 34 | 3.5 | 1.0 - 1.5 m |
| 140/42 | 140 | 43 | 3.3 | 1.0 - 1.5 m |
| 160/50 | 160 | 50 | 3.3 | 1.0 - 1.5 m |
| 180/58 | 180 | 58 | 3.3 | 1.0 - 1.5 m |
| 235/65 | 235 | 65 | 3.7 | 1.0 - 1.5 m |
| 300/75 | 300 | 75 | 3.8 | 1.0 - 1.2 m |
| 350/100 | 350 | 100 | 4.3 | 1.0 - 1.2 m |
| 410/150 | 410 | 150 | 4.3 | 1.0 - 1.2 m |

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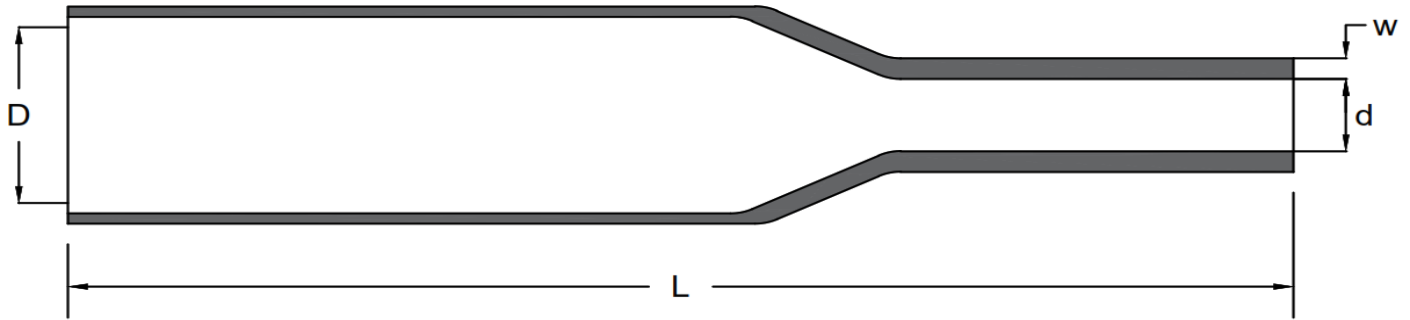


PCA TECHNOLOGIES
PLUG IN TO THE FUTURE

PCA-DS-007

PRA2 / PR2 - MEDIUM WALL INSULATION TUBING
WITH / WITHOUT HOT MELT ADHESIVE COATING

DIMENSIONS:



PR2 (WITHOUT HOT MELT ADHESIVE)

| Size (mm) | As Supplied (mm) | After Recovered (mm) | | Standard Length |
|--------------|---------------------|-------------------------|----------|---------------------------|
| | D (Min.) | d (Max.) | w (Min.) | |
| 12/3 | 12 | 3 | 1.8 | 30 m/spool or 1.0 - 1.5 m |
| 16/5 | 16 | 5 | 2.1 | 30 m/spool or 1.0 - 1.5 m |
| 22/6 | 22 | 6 | 2.4 | 30 m/spool or 1.0 - 1.5 m |
| 28/6 | 28 | 6 | 2.7 | 30 m/spool or 1.0 - 1.5 m |
| 33/8 | 33 | 8 | 2.6 | 30 m/spool or 1.0 - 1.5 m |
| 40/12 | 40 | 12 | 2.6 | 30 m/spool or 1.0 - 1.5 m |
| 55/16 | 55 | 16 | 2.7 | 30 m/spool or 1.0 - 1.5 m |
| 65/19 | 65 | 19 | 2.9 | 30 m/spool or 1.0 - 1.5 m |
| 75/22 | 75 | 22 | 3.0 | 30 m/spool or 1.0 - 1.5 m |
| 95/25 | 95 | 25 | 3.6 | 15 m/spool or 1.0 - 1.5 m |
| 115/34 | 115 | 34 | 3.5 | 15 m/spool or 1.0 - 1.5 m |
| 140/42 | 140 | 43 | 3.3 | 1.0 - 1.5 m |
| 160/50 | 160 | 50 | 3.3 | 1.0 - 1.5 m |
| 180/58 | 180 | 58 | 3.3 | 1.0 - 1.5 m |
| 235/65 | 235 | 65 | 3.7 | 1.0 - 1.5 m |
| 300/75 | 300 | 75 | 3.8 | 1.0 - 1.2 m |
| 350/100 | 350 | 100 | 4.3 | 1.0 - 1.2 m |
| 410/150 | 410 | 150 | 4.3 | 1.0 - 1.2 m |