

PCA COMMUNICATIONS/ELECTRICAL CONDUIT

1. SCOPE

This specification applies to the manufacture and supply of PCA communications/electrical conduits.

2. MARKINGS

Marking on all PCA Communications/Electrical conduits to be as follows

Pipe Couplings Australasia Pty Ltd (TYPE)(SIZE)(SDR) PCA PE
Comms/Elec Pipe (DD/MM/YY) PCA1

3. PACKAGING

Lengths can be manufactured to 6+ meter lengths. Lengths will be packaged in wooden frames or as per customer requirements.

Pipes can be supplied either on free standing coils or coiled on drums. 63mm and 32mm coils are made to nest inside 110mm coils.

Coil Sizes:

Size (mm)	Coil Length (m)	Coil ID (mm)	Coil Width (mm)	Coil OD (mm)
25	200	550	300	650
32	1500	1000	300	250
32	1680	1000	400	500
63	140	1300	400	1850
63	200	1300	450	1950
110	100	2100	450	2900
125	100	2100	620	3000
140	100	2100	720	3000
160	60	2100	770	3100

32mm extruded on drums approximate lengths range from 2200-3000 meters depending on the size of the drum.

4. MATERIALS

PE 100 (HDPE) Virgin grade from various suppliers or up to 100% in-house recycled materials.

Colours: White or Black or Black with stripes or Orange

5. INSPECTION AND TESTING REQUIREMENTS

Dimension testing is carried out in-line with minimum hourly inspections.

Hydrostatic pressure testing is carried out once per batch run.

Visual testing is carried out inline and once hourly.

Ovality is measured prior to coiling.

6. DIMENSIONS

NOM OD	Outside Diameter		Class 6			Class 9		
			Wall Thickness		Weight (kg/m)	Wall Thickness		Weight (kg/m)
	Min	Max	Max	Min		Min	Max	
25	25.0	25.3	N/A	N/A	N/A	2.3	2.6	0.199
32	32.0	32.3	1.9	2.2	0.185	2.7	3.1	0.256
40	40.0	40.4	2.3	2.7	0.285	3.4	3.9	0.403
50	50.0	50.5	2.9	3.3	0.441	4.2	4.8	0.621
63	63.0	63.6	3.6	4.1	0.69	5.3	6.0	0.982
75	75.0	75.7	4.3	4.9	0.981	6.3	7.1	1.387
90	90.0	90.9	5.2	5.9	1.421	7.5	8.4	1.978
110	110.0	111.0	6.3	7.1	2.098	9.2	10.3	2.963
125	125.0	126.0	7.2	8.1	2.72	10.4	11.6	3.801

NOM OD	Outside Diameter		SDR 13.6		Weight (kg/m)
			Wall Thickness		
	Min	Max	Min	Max	
25	25.0	25.3	1.9	2.2	0.144
32	32.0	32.3	2.4	2.8	0.233
40	40.0	40.4	3.0	3.4	0.352
50	50.0	50.5	3.7	4.2	0.556
63	63.0	63.6	4.7	5.3	0.886
75	75.0	75.7	5.5	6.2	1.235
90	90.0	90.9	6.6	7.4	1.775
110	110.0	111.0	8.1	9.1	2.662
125	125.0	126.2	9.2	10.3	3.355
140	140.0	141.3	10.3	11.5	4.201
160	160.0	161.5	11.8	13.1	5.842