

## PVC Cu Neutral Screen Cables



### Wire & Cable Specification

Construction	
Standard	AS/NZS 4961
Voltage	0.6/1 kV
Conductor	Copper
Insulation	PVC
Screen	Copper wire neutral screen
Sheath	PVC

### Item Codes

Material No.	Old Code	Cores x Area mm <sup>2</sup>	Sheath	Nom Dim mm	Gland Size		Approx Mass kg/m
					CX/Z	A2	
<b>Single Core</b>							
BAGP07AA001CXRD	9217	1 x 2.5 †	BK	8.6	20S/16	20S	0.13
BAGP09PX001CXRD	5643	1 x 4	BK	12.5	20S	20	0.24
BAGP11PX001CXRD	6102	1 x 6	BK	13.0	20S	25	0.28
BAGP13PX001CXRD	2850	1 x 10	BK	14.2	20S	25	0.38
BAGP15PX001CXRD	3358	1 x 16	BK	15.9	20	25	0.51
BAGP16PX001CXRD	4061	1 x 25	BK	18.2	20	25	0.74
BAGP18PX001CXRD	4620	1 x 35	BK	19.4		25	0.96
BAGP19PX001CXRD	1682	1 x 50	BK	21.8		32	1.22
<b>Single Core Plus Pilot</b>							
QDBP15PX001CXRD	7817	1 x 16 + 4 P	BK	15.5 x 22.5			0.67
QDBP16PX001CXRD	6998	1 x 25 + 4 P	BK	17.6 x 26.4			0.94
<b>Two Core</b>							
DAEP07AA002CXAB	4097	2 x 2.5 †	BK	8.6 x 12.4			0.20
DAEP07PX002CXAB	5862	2 x 2.5	BK	11.6 x 15.2			0.28
DAEP09AA002CXAB	2267	2 x 4 †	BK	9.6 x 14.2			0.26
DAEP11AA002CXAB	6092	2 x 6 †	BK	10.1 x 15.4			0.32
DAEP11PX002CXAB	4348	2 x 6	BK	13.0 x 18.0			0.42
DAEP13PX002CXAB	6585	2 x 10	BK	14.1 x 20.1			0.56
DAEP15PX002CXAB	1520	2 x 16	BK	15.5 x 22.5			0.76
DAEP17PX002CXAB	5242	2 x 25	BK	17.6 x 26.4			1.10
DAEP18PX002CXAB	2135	2 x 35	BK	18.8 x 28.9			1.40
<b>Two Core Plus Pilot</b>							
QDIP15PX002CXAB	7286	2 x 16 + 4 P	BK	23.4	25	32	0.92

continued

Material No.	Old Code	Cores x Area mm <sup>2</sup>	Sheath	Nom Dim mm	Gland Size		Approx Mass kg/m
					CX/Z	A2	
<b>Three Core</b>							
FAGP07AA003CXRJ	2307	3 x 2.5 <sup>†</sup>	BK	13.3	20S	20	0.26
FAGP09AA003CXRJ	4895	3 x 4 <sup>†</sup>	BK	15.1	20S	25	0.35
FAGP11AA003CXRJ	5156	3 x 6 <sup>†</sup>	BK	16.2	20	25	0.45
FAGP13PX003CXRJ	6337	3 x 10	BK	21.0	25	32	0.74
<b>Four Core</b>							
HAGP07AA004CXEM	8291	4 x 2.5 <sup>†</sup>	BK	14.2	20S	25	0.31
HAGP09AA004CXEM	6562	4 x 4 <sup>†</sup>	BK	16.4	20	25	0.43
HAGP11AA004CXEM	2811	4 x 6 <sup>†</sup>	BK	17.6	20	25	0.53
HAGP13PX004CXEM	7823	4 x 10	BK	22.6	25	32	0.88

#### Core Colours

No. Cores	Colour
1	RD
2 (inc Pilot)	RD, OG
2	RD, WH
3 (inc Pilot)	RD, WH, OG
3	RD, WH, BU
4	RD, WH, BU, BK

#### Note:

Conductors are circular stranded.

<sup>†</sup> 1.8 mm sheath

#### Technical Information (Current Rating)

Conductor Size mm <sup>2</sup>	Unenclosed				Buried Direct		Underground Ducts		Voltage Drop mV/A.m	
	Spaced from Surface		Touching		Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
	Single Phase	Three Phase	Single Phase	Three Phase						
2.5	31	26	30	25	44	37	34	29	17.70	15.30
4	42	35	39	33	57	48	44	37	11.20	9.71
6	52	46	50	42	72	61	56	47	7.50	6.49
10	73	62	68	58	96	81	75	63	4.46	3.86
16	97	82	91	78	127	106	97	81	2.81	2.43
25	131	111	120	104	160	138	127	106	1.78	1.54
35	160	137	148	125	198	165	154	127	1.28	1.11
50	194	165	182	154	231	198	182	154	0.956	0.829

#### Note:

The values in this table have been obtained from AS/NZS 3008.1.2:1998 for typical New Zealand installation conditions of:-

Ambient Air Temperature 30°C  
 Soil Temperature 15°C  
 Soil Thermal Resistivity 1.2 K.m/W  
 Depth of Burial 0.5 m

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