

XLPE Cu Neutral Screen Cables



Wire & Cable Specification

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

Item Codes

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dia mm	Gland Size CX/Z	A2	Approx Mass kg/m
Three Core							
FEGP15PX003CXRJ	6807	3 x 16 *	BK	22.9	25	32	0.97
FEGC16PX003CXRJ	8090	3 x 25 *	BK	25.4	25	32	1.35
FEGV18PX003CXRJ	3281	3 x 35	BK	26.1	32	40	1.72
FEGV19PX003CXRJ	4140	3 x 50	BK	29.4	32	40	2.25
FEGV20PX003CXRJ	1616	3 x 70	BK	33.5	40	50S	3.12
FEGV21PX003CXRJ	7500	3 x 95	BK	37.1	40	50S	4.18
Three Core Plus Pilot							
QDXP15AA003CXRJ	5687	3 x 16 + 4 P *	BK	24.8	25	32	1.05
-	4788	3 x 16 + 6 P *	BK	27.4	32	40	1.22
Four Core							
HEGP15PX004CXEM	7626	4 x 16 *	BK	24.7	25	32	1.13
HEGC17PX004CXEM	1559	4 x 25 #	BK	27.9	32	40	1.65
HEGV35PX004CXEM	3176	4 x 35	BK	29.5	32	40	2.11
HEGV36PX004CXEM	7610	4 x 50	BK	33.0	32	50S	2.78
HEGV20PX004CXEM	5203	4 x 70	BK	37.1	40	50S	3.85
-	6214	4 x 95	BK	40.3	50S	50	5.15
HEGV23PX004CXEM	4119	4 x 120	BK	44.8	50	63S	6.55

Note: Conductors 35 mm² and above are shaped stranded.

* Circular stranded

Compact circular stranded

Core Colours



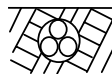

No. Cores	Colour
3	RD, WH, BU
3 (inc Pilot)	RD, WH, OG
4	RD, WH, BU, BK

continued

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Technical Information (Current Rating)

Conductor Size mm ²	Unenclosed		Buried Direct	Underground Ducts	Three Phase Voltage Drop mV/A.m
	Spaced from Surface	Touching			
					
Three Phase					
16	97	91	118	89	2.550
25	132	121	155	118	1.610
35	160	149	182	144	1.170
50	198	187	219	171	0.868
70	253	237	268	214	0.609
95	314	292	321	257	0.450

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