



Circular XLPE Multicore Cempex® Cables



Wire & Cable Specification

Construction	
Standard	AS/NZS 5000.1
Voltage	0.6/1 kV
Conductor	Copper
Insulation	XLPE
Sheath	PVC

Item Codes

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dia mm	Gland Size A2 or A2F	Approx Mass kg/m
Three Core Plus Earth						
FTHC17AA003CXRJ	1701	3 x 25 + 6 E	BK	21.6	32	1.01
FTHC38AA003CXRJ	5200	3 x 35 + 10 E	BK	24.1	32	1.37
FTHC19AA003CXRJ	6560	3 x 50 + 16 E	BK	27.2	40	1.82
-	1530	3 x 70 + 25 E	BK	31.2	40	2.59
-	8045	3 x 95 + 25 E	BK	35.6	50S	3.40
Four Core Plus Earth						
HTHP11AA004CXEM	1139	4 x 6 + 2.5 E	BK	17.0	25	0.43
HTHP13AA004CXEM	2658	4 x 10 + 4 E	BK	19.2	25	0.66
HTHP15AA004CXEM	7656	4 x 16 + 6 E	BK	21.5	32	0.90
HTHC17AA004CXEM	5243	4 x 25 + 6 E	BK	23.9	32	1.29
HTHC18AA004CXEM	2230	4 x 35 + 10 E	BK	26.8	40	1.74
HTHC19AA004CXEM	2403	4 x 50 + 16 E	BK	30.3	40	2.32
HTHC20AA004CXEM	2060	4 x 70 + 25 E	BK	34.9	50S	3.20
HTHC21AA004CXEM	7214	4 x 95 + 25 E	BK	39.1	50	4.36

Core Colours

No. Cores	Colour
4	RD, WH, BU, GNYE
5	RD, WH, BU, BK, GNYE

Note:

Conductors 16 mm² and above are compact circular stranded.
Conductors 10 mm² and below are circular stranded.

continued





Olex New Zealand Limited Head Office Paraita Road Bell Block New Plymouth New Zealand
Phone 0800 OLEX NZ (653 969) Website www.olex.co.nz

This information has been issued in good faith. The company does not accept liabilities for any misuse or unauthorised use of this document. This information can be changed without further notice. Issue 22 June 2010 (40.2)



LOW VOLTAGE

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					
4	42	39	55	41	10.20
6	53	50	67	51	6.800
10	73	68	91	68	4.050
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