

Cu Cantols



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	Area mm ²	Sheath	Nom Dia mm	Gland Size A2 or A2F	Approx Mass kg/m
BDBP15AA001CXNA	5373	16	BK	9.8	20S	0.21
BDBC17AA001CXNA	4676	25	BK	10.9	20S	0.31
BDBC18AA001CXNA	8252	35	BK	12.0	20	0.41
BDBC19AA001CXNA	8881	50	BK	13.3	20	0.54
BDBC20AA001CXNA	2893	70	BK	15.0	25	0.75
BDBC21AA001CXNA	5689	95	BK	16.9	25	1.01
BDBC23AA001CXNA	2440	120	BK	18.6	25	1.27
BDBC44AA001CXNA	4778	150	BK	20.6	32	1.55
BDBC25AA001CXNA	2081	185	BK	22.8	32	1.93
BDBC26AA001CXNA	2038	240	BK	25.5	32	2.50
BDBC47AA001CXNA	5941	300	BK	28.1	40	3.11
BDBC28AA001CXNA	2640	400	BK	31.8	50S	3.96
BDBC30AA001CXNA	2340	500	BK	35.7	50S	4.98
BDBC32AA001CXNA	4711	630	BK	40.2	50	6.40

Note: Conductors are compact circular stranded.

continued

Technical Information (Current Rating)

Conductor Size mm ²	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						
16	121	101	95	95	150	123	112	95	2.950	2.550
25	160	138	127	127	193	161	144	123	1.870	1.620
35	193	171	160	160	230	193	171	150	1.350	1.170
50	237	209	193	193	273	230	209	182	1.010	0.872
70	303	264	248	248	337	278	257	225	0.710	0.615
95	374	330	308	308	401	337	310	268	0.528	0.457
10	435	385	358	358	455	380	358	310	0.431	0.373
150	495	446	413	413	514	428	401	353	0.365	0.316
185	572	517	479	479	578	482	465	401	0.311	0.269
240	682	616	572	572	674	556	546	471	0.262	0.227
300	792	715	671	660	760	631	621	546	0.233	0.202
400	924	836	781	770	867	717	717	621	0.211	0.183
500	1067	957	902	891	974	803	813	717	0.196	0.170
630	1221	1111	1045	1034	1102	899	952	813	0.184	0.159

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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