

Aluminium Cantols



Wire & Cable Specification

Construction	
Standard	AS/NZS 5000.1
Voltage	0.6/1 kV
Conductor	Aluminium
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
Stranded Al Conductor						
BDBH20AA001CXNA	7763	70	BK	15.0	25	0.32
BDBH21AA001CXNA	1879	95	BK	16.9	25	0.42
BDBH43AA001CXNA	9269	120	BK	18.5	25	0.51
BDBH44AA001CXNA	7344	150	BK	20.6	32	0.62
BDBH25AA001CXNA	3244	185	BK	22.8	32	0.76
BDBH26AA001CXNA	2974	240	BK	25.5	32	0.97
BDBH27AA001CXNA	8270	300	BK	27.9	40	1.19
BDBH28AA001CXNA	4468	400	BK	31.3	40	1.50
BDBH30AA001CXNA	4658	500	BK	35.0	50S	1.87
BDBH32AA001CXNA	8554	630	BK	39.4	50	2.38

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						
70	231	204	193	193	262	219	198	177	1.150	0.997
95	286	253	237	237	310	262	241	209	0.840	0.727
10	336	297	281	281	353	294	278	241	0.672	0.582
150	385	347	319	319	396	332	310	273	0.557	0.482
185	446	402	374	374	455	375	358	310	0.455	0.394
240	534	484	451	446	524	439	428	369	0.363	0.314
300	616	561	523	517	599	498	482	428	0.307	0.266
400	726	660	616	616	685	567	567	487	0.261	0.226
500	847	770	726	715	781	642	653	578	0.228	0.197
630	990	902	847	847	888	738	770	663	0.204	0.177

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