



POWERLEX™ PVC Flexible Cords



Wire & Cable Specification

Construction	
Standard	AS/NZS 3191
Voltage	250/440V
Conductor	Flexible copper
Insulation	PVC
Sheath	PVC

Technical Information (Current Rating)

Conductor Size mm ²	Current Rating amps	Max DC Resist. @ 20°C Ohm/km		Voltage Drop mV/A.m	
		PACW	TACW	Single Phase	Three Phase
0.5	3	39.0	40.1	94.9	82.2
0.75	7.5	26.0	26.7	63.3	54.8
1.0	10	19.5	20.0	47.5	41.1
1.5	15	13.3	13.7	32.3	28.0
2.5	20	7.98	8.21	19.4	16.8
4.0	25	4.95	5.09	12.0	10.4

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

Item Codes

Codes available on next page.

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Item Codes

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dia mm	Gland Size A2	Approx Mass kg/m
Two Core						
CAHR01A1002BKAA	1516	2 x 0.5	BK	6.1	20S/16	0.04
CAHR01A1002WTAA	8647	2 x 0.5	WH	6.1	20S/16	0.04
CAHR02A1002BKAA	9537	2 x 0.75	BK	6.3	20S/16	0.06
CAHR02A1002KKAA	6309	2 x 0.75	WH	6.3	20S/16	0.06
CARH03A1002BKAA	2491	2 x 1.0	BK	6.6	20S/16	0.07
CAHR03A1002KKAA	6372	2 x 1.0	WH	6.6	20S/16	0.07
CAHR04A1002BKAA	7480	2 x 1.5	BK	7.6	20S	0.09
CAHR04A1002WTAA	7143	2 x 1.5	WH	7.6	20S	0.09
Two Core Plus Earth						
EAHR01A1003BKAA	5690	2 x 0.5 + E	BK	6.4	20S/16	0.04
EAHR01A1003WTAA	1931	2 x 0.5 + E	WH	6.4	20S/16	0.04
EAHR02A1003BKAA	2639	2 x 0.75 + E	BK	6.6	20S/16	0.07
EAHR02A1003KKAA	8734	2 x 0.75 + E	WH	6.6	20S/16	0.07
EAHR03A1003BKAA	9369	2 x 1.0 + E	BK	7.0	20S/16	0.08
EAHR03A1003KKAA	8615	2 x 1.0 + E	WH	7.0	20S/16	0.08
EAHR04A1003BKAA	5057	2 x 1.5 + E	BK	8.3	20S	0.11
EAHR04A1003KKAA	8414	2 x 1.5 + E	WH	8.3	20S	0.11
EAHR05A1003BKAA	9483	2 x 2.5 + E	BK	10.1	20	0.17
EAHR05A1003WTAA	4835	2 x 2.5 + E	WH	10.1	20	0.17
Three Core Plus Earth						
GAHR02A1004BKAA	7320	3 x 0.75 + E	BK	7.2	20S/16	0.08
GAHR02A1004WTAA	9500	3 x 0.75 + E	WH	7.2	20S/16	0.08
GAHR03A1004BKDV	4429	3 x 1.0 + E	BK	7.8	20S	0.10
GAHR03A1004WTAA	7718	3 x 1.0 + E	WH	7.8	20S	0.10
GAHR04A1004BKDV	7006	3 x 1.5 + E	BK	9.2	20S	0.14
GAHR04A1004WTAA	8651	3 x 1.5 + E	WH	9.2	20S	0.14
GAHR05AA004BKDV	6261	3 x 2.5 + E	BK	11	20	0.21
Four Core Plus Earth						
GNHR03A1005BKAA	7501	4 x 1.5 + E	GY	10.3	20	0.17
GNHR05A1005BKAA	6302	4 x 2.5 + E	GY	12.3	20	0.26

Core Colours

No. Cores	Colour
2	BN, Lt BU
3	BN, Lt BU, GNYE
4	BN, Lt BU, WH, GNYE
5	BN, Lt BU, WH, BK, GNYE

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