

Flat TPS Cables



Wire & Cable Specification

Construction	
Standard	AS/NZS 5000.2
Voltage	450/750 V
Conductor	Copper
Insulation	PVC
Sheath	PVC

Item Codes

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dim mm	Approx Mass kg/m
Two Core					
CACP02A1002JBHF	8757	2 x 1.0 *	RD	4.0 x 6.3	0.05
CACP02A1002WVHF	3524	2 x 1.0 *	WH	4.0 x 6.3	0.05
CACP02AA002ASWV	1539	2 x 1.0 *	WH (R+R)	4.0 x 6.3	0.05
CACQ05A1002JBHF	1049	2 x 1.5	RD	4.7 x 7.4	0.07
CACQ05A1002WVHF	7373	2 x 1.5	WH	4.7 x 7.4	0.07
CACP05AA002ASWV	2651	2 x 1.5	WH (R+R)	4.7 x 7.4	0.07
CACP07A1002JBHF	8313	2 x 2.5	RD	5.3 x 8.7	0.10
CACP07A1002WVHF	9880	2 x 2.5	WH	5.3 x 8.7	0.10
CACP07A1002WVAB	8717	2 x 2.5	WH (R+W)	5.3 x 8.7	0.10
CACP09A1002WVHF	5212	2 x 4	WH	6.3 x 10.5	0.15
CACP11A1002WVHF	8552	2 x 6	WH	7.0 x 11.6	0.20
CACP15AA002CXHF	6331	2 x 16	BK	10.0 x 17.2	0.46
DACP16AA002WVHF	3816	2 x 25	WH	11.8 x 20.8	0.70
Two Core Plus Pilot					
QCPP15AA002CXHF	1291	2 x 16 + 2.5 P	BK	9.9 x 20.4	0.50
QCQP16AA002CXHF	2399	2 x 25 + 4 P	BK	11.8 x 24.8	0.77
Two Core Plus Earth					
CNZP02A1002WVHF	9779	2 x 1.0 + 1.0 E *	WH	4.0 x 8.6	0.07
CNZQ05A1002WVHF	2521	2 x 1.5 + 1.5 E	WH	4.7 x 10.2	0.09
CNZP07A1002WVHF	1080	2 x 2.5 + 2.5 E	WH	5.3 x 12.0	0.14
CNZP09A1002WVHF	6646	2 x 4 + 2.5 E	WH	6.4 x 14.8	0.19
CNCP11AA002WVHF	3146	2 x 6 + 2.5 E	WH	6.9 x 16.4	0.27
CNZP13EC002WVHF	4121	2 x 10 + 4 E	WH	8.5 x 20.4	0.42
CNZP15AA002CXHF	6565	2 x 16 + 6 E	BK	9.9 x 24.3	0.63
Three Core					
EACP02A1003YXRJ	5510	3 x 1.0 *	YE	4.0 x 8.6	0.07
EACQ05A1003YXRJ	3171	3 x 1.5	YE	4.6 x 10.2	0.09
EACP07A1003WVHF	1560	3 x 2.5	WH	5.3 x 12.0	0.14





continued

Material No.	Old Code	Cores x Area mm ²	Sheath	Nom Dim mm	Approx Mass kg/m
Three Core Plus Earth					
ENZP02A1003WVRJ	1719	3 x 1.0 + 1.0 E *	WH	4.0 x 10.9	0.09
ENZQ05A1003WVRJ	4191	3 x 1.5 + 1.5 E	WH	4.7 x 13.0	0.12
ENZP07A1003WVRJ	4169	3 x 2.5 + 2.5 E	WH	5.3 x 15.4	0.18
ENZP09A1004WVPP	1103	3 x 4 + 2.5 E	WH	6.5 x 19.1	0.29
ENZP11AA003WVRJ	1529	3 x 6 + 2.5 E	WH	7.2 x 21.4	0.38
Four Core					
GACP07A1004WVEM	2305	4 x 2.5	WH	5.3 x 15.4	0.18
GACP09A1004WVEM	4253	4 x 4	WH	6.5 x 19.1	0.29

Note: Conductors 1.5 mm² and above are circular stranded.

* Solid conductor

Technical Information (Current Rating)

Conductor Size mm ²	Unenclosed Touching		Enclosed Conduit in Air		Voltage Drop mV/A.m	
						
	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase
1.0	16	14	13	11	51.60	44.70
1.5	21	17	16	15	33.00	28.60
2.5	30	25	23	21	18.00	15.60
4	39	33	30	27	11.20	9.710
6	50	42	39	35	7.50	6.49
10	68	58	54	48	4.46	3.86
16	91	78	72	64	2.81	2.43
25	120	104	100	90	1.78	1.54

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

