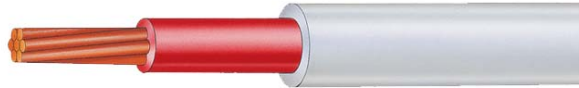


Single Core TPS Cables



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	Area mm ²	Description	Nom Dia mm	Gland Size A2 or A2F	Approx Mass kg/m
Single Core						
AABP02A1001WVBK	1748	1.0 *	BK WH	3.8	20S/16	0.03
AABP02A1001WVRD	1176	1.0 *	RD WH	3.8	20S/16	0.03
AABQ05A1001WVBK	9050	1.5	BK WH	4.4	20S/16	0.04
AABQ05A1001WVRD	6766	1.5	RD WH	4.4	20S/16	0.04
AABP07A1001WVBK	7923	2.5	BK WH	4.9	20S/16	0.05
AABP07A1001WVRD	1635	2.5	RD WH	4.9	20S/16	0.05
AABP09A1001WVBK	7242	4	BK WH	6.0	20S/16	0.07
AABP09A1001WVRD	2889	4	RD WH	6.0	20S/16	0.07
AABP11A1001WVBK	8579	6	BK WH	6.5	20S/16	0.10
AABP11A1001WVRD	5022	6	RD WH	6.5	20S/16	0.10
AABP13A1001WVBK	1343	10	BK WH	7.8	20S/16	0.15
AABP15AA001WVBK	1121	16	BK WH	9.3	20S	0.22
AABP15AA001WVRD	2627	16	RD WH	9.3	20S	0.22

Note: Conductors 1.5 mm² and above are circular stranded.

* Solid conductor

continued

Technical Information (Current Rating)

Conductor Size mm ²	Unenclosed Touching		Buried Direct		Underground Ducts		Voltage Drop mV/A.m	
	Single Phase	Three Phase	Single Phase	Three Phase	Single Phase	Three Phase		
1.0	15	15	26	23	20	18	51.60	44.70
1.5	18	18	34	30	26	22	33.00	28.60
2.5	26	26	47	41	36	31	18.00	15.60
4	35	35	62	54	46	41	11.20	9.710
6	46	46	78	67	58	51	7.50	6.49
10	62	62	103	89	78	67	4.46	3.86
16	87	82	132	116	100	88	2.81	2.43

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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LOW VOLTAGE