

SINGLE INSULATED FLEXIBLE POWER

V90HT P.V.C. TO AS/NZS 5000.1 – 0.6/1KV VOLTAGE RATING

Applications: Switchboards, Busbars, Transformers, Generators or other equipment requiring fixed installation wiring
Suitable where space is at a premium

Conductor: Flexible Class 6 Bunched OXYGEN FREE Plain Copper Wire to AS/NZS 1125

Insulation: RoHS Compliant V90HT P.V.C. to AS/NZS 3808

Colours: **Black, Blue, Green / Yellow, Red, White**

Packs: 50, 100 metres - other packs by request

Min. Bend Radius: During Installation: 6D – Fixed or Location: 4D



TYPICAL PROPERTIES							Electrical Data		
STANDARD: AS/NZS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at 75°C Laid Flat	
CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)		Single Phase	Three Phase
ZBD112802	128/0.2	4	1.0	4.95	4.8	5.3	38	11.20	9.71
ZBD119202	192/0.2	6	1.0	3.30	5.4	7.3	49	7.50	6.49
ZBD132202	322/0.2	10	1.0	1.91	6.3	11.4	69	4.45	3.86
ZBD151102	511/0.2	16	1.0	1.21	7.3	17.1	91	2.80	2.43
ZBD179202	784/0.2	25	1.2	0.78	8.8	30.0	121	1.79	1.55
ZBD1112102	1120/0.2	35	1.2	0.554	10.2	37.5	150	1.29	1.12
ZBD1159602	1568/0.2	50	1.4	0.386	11.9	51.0	189	0.97	0.84
ZBD1221202	2240/0.2	70	1.4	0.272	14.0	71.5	238	0.68	0.589
ZBD1302102	3040/0.2	95	1.6	0.206	16.0	97.0	287	0.518	0.449
ZBD1382102	3800/0.2	120	1.6	0.161	17.5	119.1	341	0.428	0.371

Maximum operating temperature: 75°C in normal Use OR 105°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009)
AMP Ratings are to AS/NZS 3008. Unenclosed-Spaced at 40°C (in air), 25°C (in ground). Refer AS/NZS 3008 for derating factors.

DOUBLE INSULATED FLEXIBLE POWER

V90HT P.V.C. TO AS/NZS 5000.1 – 0.6/1KV VOLTAGE RATING

Applications: Switchboards, Busbars, Transformers or other equipment requiring fixed installation wiring. Suitable where space is at a premium.

Conductor: Flexible Class 6 Bunched OXYGEN FREE Plain Copper Wire to AS/NZS 1125

Insulation: RoHS Compliant Nitrile (NBR) Modified P.V.C. type V90HT to AS/NZS 3808

Insulation Colour: **White**

Sheath: RoHS Compliant Nitrile (NBR) Modified P.V.C. type V90HT to AS/NZS 3808

Sheath Colour: **Orange** - other colours available by request

Packs: 50, 100 metres - other packs by request

Min. Bend Radius: During Installation: 6D – Fixed or Location: 4D



TYPICAL PROPERTIES								Electrical Data		
STANDARD: AS/NZS 5000.1								Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at 75°C Laid Flat	
CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)		Single Phase	Three Phase
ZDU132202	322/0.2	10	1.0	1.4	1.91	9.1	14.42	69	4.45	3.86
ZDU151102	511/0.2	16	1.0	1.4	1.21	10.1	20.16	91	2.80	2.43
ZDU179202	784/0.2	25	1.2	1.4	0.78	11.8	29.14	121	1.79	1.55
ZDU1112102	1120/0.2	35	1.2	1.4	0.554	13.1	38.96	150	1.29	1.12
ZDU1159602	1568/0.2	50	1.4	1.4	0.386	14.9	52.84	189	0.97	0.84
ZDU1221202	2240/0.2	70	1.4	1.5	0.272	17.0	72.34	238	0.68	0.589
ZDU1302102	3040/0.2	95	1.6	1.5	0.206	19.3	96.18	287	0.518	0.449
ZDU1382102	3800/0.2	120	1.6	1.6	0.161	20.8	117.86	341	0.428	0.371

Maximum operating temperature: 75°C in normal Use OR 105°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009)
AMP Ratings are to AS/NZS 3008. Unenclosed-Spaced at 40°C (in air), 25°C (in ground). Refer AS/NZS 3008 for derating factors - For Welding AMP Ratings refer to AS/NZS 1995.

Tycab holds current independent compliance review report on PVC Cable compliance for **GREEN STAR PVC Credit**