



Proudly
manufactured in
Australia

POWERING AHEAD



TYCAB

POWER / INDUSTRIAL CABLE

FLEXIBLE POWER SINGLE INSULATED
FLEXIBLE POWER DOUBLE INSULATED
110C DOUBLE INSULATED
SINGLE CORE POWER
SINGLE CORE T.C.W.





OXYGEN FREE COPPER

RoHS compliant

AS/NZS5000.1

FLEXIBLE POWER SINGLE CORE 0.6/1KV

- Applications:** Power Cable 0.6/1KV for fixed applications
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: P.V.C. INSULATED UNPROTECTED TO 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.

FLEXIBLE POWER & WELDING SINGLE CORE DOUBLE INSULATED 0.6/1KV

- Applications:** For Fixed Power Applications. Suitable where space is at a premium.
- Power:** Switchboards, Busbars, Transformers
- Welding:** Earth and Electrode leads
- Automotive:** Jumper Leads, Battery Chargers
- 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 (E.g. Black, Blue, Red)*
- Packs:** 50, 100 metres - *other packs by request*
- Min. Bend Radius:** During Installation: 6D – Fixed or Location: 4D



TYPICAL PROPERTIES								Electrical Data		
STANDARD: V90HT AS/NZS 5000.1, AS/NZS 1995								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**

OXYGEN FREE COPPER

RoHS compliant

AS/NZS5000.1



TINNED COPPER WIRE

SINGLE CORE DOUBLE INSULATED 0.6/1KV



- Applications:** For Fixed Power Marine Applications
Conductor: Class 6 TINNED COPPER WIRE (TCW) to AS/NZS 1125
Insulation: RoHS Compliant Flexible V90HT P.V.C. to AS/NZS 3808
Insulation Colour: White
Sheath: RoHS Compliant Nitrile (NBR) Modified V90HT P.V.C. to AS/NZS 3808
Sheath Colours: Black, Red, Orange
Packs: 50, 100 metres - other packs by request
Min. Bend Radius: During Installation: 6D – Fixed or Location: 4D

TYPICAL PROPERTIES							
STANDARD: V90HT AS/NZS 5000.1, AS/NZS 1995							
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)
ZDT151102	511/0.2	16	1	1.4	1.24	10.1	20.16
ZDT179202	784/0.2	25	1.2	1.4	0.795	11.8	29.14
ZDT1112102	1120/0.2	35	1.2	1.4	0.565	13.1	38.96
ZDT1159602	1568/0.2	50	1.4	1.4	0.393	14.9	52.84
ZDT1221202	2240/0.2	70	1.4	1.5	0.277	17.0	72.34
ZDT1302102	3024/0.2	95	1.6	1.5	0.21	19.3	96.18

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.

FLEXIBLE POWER & WELDING

R-E-110 INSULATION, V90HT P.V.C. SHEATH 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: R-E-110 to AS/NZS 3808
Insulation Colour: White
Sheath: RoHS Compliant Nitrile (NBR) Modified V90HT P.V.C. 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 110°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
ZDXU119202	192/0.2	6	1.0	1.4	3.3	8.1	10.2	73	7.23	8.35
ZDXU132202	322/0.2	10	1.0	1.4	1.91	9.1	14.42	102	4.3	4.97
ZDXU151102	511/0.2	16	1.0	1.4	1.21	10.1	20.16	135	2.71	3.13
ZDXU179202	784/0.2	25	1.2	1.4	0.78	11.8	29.14	178	1.72	2.02
ZDXU1112102	1120/0.2	35	1.2	1.4	0.554	13.1	38.96	221	1.25	1.44
ZDXU1159602	1568/0.2	50	1.4	1.4	0.386	14.9	52.84	279	0.929	1.07
ZDXU1221202	2240/0.2	70	1.4	1.5	0.272	17.0	72.34	351	0.657	0.759
ZDXU1302102	3040/0.2	95	1.6	1.5	0.206	19.3	96.18	422	0.491	0.567
ZDXU1382102	3800/0.2	120	1.6	1.6	0.161	20.8	117.86	500	0.403	0.465

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



OXYGEN FREE COPPER

RoHS compliant

POWER CABLE



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

Applications: For use in electrical installations (e.g. switchboard, control panel wiring) up to and including 0.6/1kV
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: RoHS Compliant V90HT P.V.C. to AS/NZS 3808
Colours: **Black, Blue, Brown, Green / Yellow, Orange, Pink, Red, Grey, Violet, White, Yellow** - Stripes available by request
Packs: 100, 500, 1000 metres - other packs by request

TYPICAL PROPERTIES							Electrical Data		
STANDARD: P.V.C. INSULATED UNPROTECTED TO AS/NZS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at 75°C	
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
BVD1108	1/0.8	0.5	0.8	36.0	2.4	1.05	5	125	N/A
BVD11113	1/1.13	1	0.8	18.1	2.75	1.6	16	51.63	44.70
BVD1705	7/0.50	1.5	0.8	13.6	3.15	2.1	21	33.03	28.60
BVD17067	7/0.67	2.5	0.8	7.4	3.65	3.3	30	18.02	15.60
BVD17085	7/0.85	4	1.0	4.6	4.6	5.3	40	11.22	9.71
BVD17104	7/1.04	6	1.0	3.1	5.15	7.3	51	7.50	6.49
BVD17135	7/1.35	10	1.0	1.83	6.1	11.4	69	4.45	3.86
BVD17170	7/1.70	16	1.0	1.15	7.15	17.1	92	2.80	2.43

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.

TINNED COPPER WIRE



SINGLE CORE V90HT P.V.C. TO AS/NZS 3191 – 0.6/1KV VOLTAGE RATING

Applications: Wiring of Communication, Electronic Equipment and Switchboards
Conductor: Class 6 TINNED COPPER WIRE (TCW) to AS/NZS 1125
Insulation: RoHS Compliant V90HT P.V.C. to AS/NZS 3808
Colours: **Black, Blue, Brown, Green / Yellow, Orange, Pink, Red, Grey, Violet, White, Yellow** - Stripes available by request
Packs: 100, 500, 1,000 metres - other packs by request

TYPICAL PROPERTIES							
STANDARD: V90HT AS/NZS 5000.1, AS/NZS 1995							
CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	AMP RATING	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FVK11602	16/0.2	0.5	5	0.8	40.1	2.6	1.1
FVK12402	24/0.2	0.75	12	0.8	26.7	2.8	1.4
FVK13202	32/0.2	1.0	17	0.8	20	3.0	1.7
FVK130025	30/0.25	1.5	21	0.8	13.7	3.15	2.2
FVK150025	50/0.25	2.5	29	0.9	8.2	3.95	3.5
FVK15603	56/0.3	4.0	38	1.0	5.1	4.75	5.3
FVK18403	84/0.3	6.0	49	1.0	3.2	5.3	7.5

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.

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



Manufactured by
 TYCAB AUSTRALIA
 269 Frankston – Dandenong Road,
 Dandenong, Victoria 3175. Australia.
 Telephone (03) 8791 0333
 Fax (03) 9791 8732
 www.tycab.com.au

Distributed by: