



Proudly
manufactured in
Australia

CONSTRUCTING AHEAD



TYCAB BUILDING CABLE

SINGLE CORE
SINGLE CORE DOUBLE INSULATED
FLEXIBLE SINGLE & DOUBLE INSULATED
TPS FLAT
MULTI CORE CIRCULAR





OXYGEN FREE COPPER

RoHS compliant

AS/NZS5000

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: 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.

SINGLE CORE DOUBLE INSULATED



V90 P.V.C. TO AS/NZS 5000.2 – 450/750V VOLTAGE RATING

- Applications:** Easy-tear PVC sheath for fixed applications in power and lighting circuits in installations up to and including 450/750V
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Core Colour: **Red**
Sheath: RoHS Compliant 3V90 P.V.C. to AS/NZS 3808
Sheath Colour: **White** - other colours by request
Packs: 100, 500 metres - other packs by request

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)
BDM11113	1/1.13	1	0.6	0.8	18.1	4.0	2.7
BDM1705	7/0.50	1.5	0.6	0.8	13.6	4.3	3.2
BDM17067	7/0.67	2.5	0.7	0.8	7.4	5.1	4.8
BDM17085	7/0.85	4	0.8	0.9	4.6	6.0	7.1
BDM17104	7/1.04	6	0.8	0.9	3.1	6.6	9.4
BDM17135	7/1.35	10	1.0	0.9	1.83	7.8	14.3
BDM17170	7/1.70	16	1.0	1.0	1.15	8.9	20.8

Maximum operating temperature: 75°C in normal Use **OR** 90°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009)

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

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.



OXYGEN FREE COPPER

RoHS compliant

AS/NZS5000

THERMOPLASTIC SHEATHED (TPS) FLAT

V90 P.V.C. TO AS/NZS 5000.2 – 450/750V VOLTAGE RATING

- Applications:** Easy-tear PVC sheath for fixed applications in power and lighting circuits in installations up to and including 450/750V
- Conductor:** OXYGEN FREE Plain Copper Wire to AS/NZS 1125
- Insulation:** RoHS Compliant V90 P.V.C. to AS/NZS 3808
- Core Colours:** **2 Core: Red, Black**
2 Core + Earth: Red, Black, Green / Yellow
- Sheath:** RoHS Compliant 3V90 P.V.C. to AS/NZS 3808
- Sheath Colour:** **White**
- Packs:** 100 metres - *other packs by request*



CODE	NO. OF CORES	NOMINAL AREA (mm ²)	MAIN CONDUCTOR TYPE	CONDUCTOR NO/DIA (mm)		INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
				POWER	EARTH					
BEM21113 *	2	1	Solid Cu	1/1.13		0.6	0.9	18.1	6.5 x 4.15	5.2
BEM2705 *	2	1.5	Strand Cu	7/0.50		0.6	0.9	13.6	4.6 x 7.3	6.3
BEM27067 *	2	2.5	Strand Cu	7/0.67		0.7	1.0	7.4	5.5 x 8.8	9.8
BEM27085	2	4	Strand Cu	7/0.85		0.8	1.1	4.61	10.5 x 6.3	14.2
BEM27104	2	6	Strand Cu	7/1.04		0.8	1.1	3.08	11.6 x 6.9	18.6
BEM27135	2	10	Strand Cu	7/1.35		1.0	1.2	1.83	14.2 x 8.3	30
BEM27170	2	16	Strand Cu	7/1.70		1.0	1.3	1.15	16.3 x 9.5	42.5
BEM31113	2C+E	1	Solid Cu	1/1.13	7/0.4	0.6	0.9	18.1	8.85 x 4.15	7.8
BEM3705	2C+E	1.5	Strand Cu	7/0.50	7/0.50	0.6	0.9	13.6	4.6 x 9.9	8.9
BEM37067	2C+E	2.5	Strand Cu	7/0.67	7/0.67	0.7	1.0	7.4	5.5 x 12.2	14
BEM37085	2C+E	4	Strand Cu	7/0.85	7/0.67	0.8	1.1	4.61	6.3 x 13.9	19
BEM37104	2C+E	6	Strand Cu	7/1.04	7/0.67	0.8	1.1	3.08	6.9 x 15	23
BEM37135	2C+E	10	Strand Cu	7/1.35	7/0.85	1.0	1.2	1.83	8.3 x 18.3	37

Maximum operating temperature: 75°C in normal Use **OR** 90°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009)

* Can be manufactured for Fire Alarm wiring systems. Core Colours: Red, White. Optional Sheath Colour: Red

CIRCULAR PLUS EARTH

PVC INSULATED AND SHEATHED TO AS/NZS 5000.2 – 450/750V VOLTAGE RATING

- Applications:** For mains, sub mains and sub circuits unenclosed, enclosed in conduit, buried direct or underground ducts for buildings and industrial plants
- Conductor:** OXYGEN FREE Plain Copper Wire to AS/NZS 1125
- Insulation:** RoHS Compliant V90 P.V.C. to AS/NZS 3808
- Core Colours:** **2 Core + Earth - Red, Black, Green / Yellow**
3 Core + Earth - Red, White, Blue, Green / Yellow
4 Core + Earth - Red, White, Blue, Black, Green / Yellow
- Sheath:** RoHS Compliant 5V90 P.V.C. to AS/NZS 3808
- Sheath Colour:** **Orange, Black**
- Packs:** 100 metres - *other packs by request*



CODE	NO. OF CORES	NOMINAL AREA (mm ²)	CONDUCTOR NO/DIA (mm)		POWER INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)		NOMINAL O.D. (mm)	MASS (kg/100m)
			POWER	EARTH			POWER	EARTH		
BMM3705	2C+E	1.5	7/0.50	7/0.50	0.6	1.2	13.6	13.6	8.3	10.6
BMM37067	2C+E	2.5	7/0.67	7/0.67	0.7	1.3	7.41	7.41	10.0	15.8
BMM37085	2C+E	4	7/0.85	7/0.67	0.8	1.3	4.61	7.41	11.1	20.8
BMM4705	3C+E	1.5	7/0.50	7/0.50	0.6	1.2	13.6	13.6	9.0	12.7
BMM47067	3C+E	2.5	7/0.67	7/0.67	0.7	1.3	7.41	7.41	10.8	19.7
BMM47085	3C+E	4.0	7/0.85	7/0.67	0.8	1.3	4.61	7.41	12.6	26.3
BMM5705	4C+E	1.5	7/0.50	7/0.50	0.6	1.3	13.6	13.6	10.0	15.1
BMM57067	4C+E	2.5	7/0.67	7/0.67	0.7	1.3	7.41	7.41	12.0	23.6
BMM57085	4C+E	4	7/0.85	7/0.67	0.8	1.4	4.61	7.41	13.9	33.0

Maximum operating temperature: 75°C in normal Use **OR** 90°C where not subject to, or protected from, mechanical damage (refer AS/NZS 3008.1.1:2009)

Contact Tycab for product information outside of the above range up to a maximum of 4C+E 16mm²

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: