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Australia

POWERING AHEAD



TYCAB

POWER CABLE

FLEXIBLE POWER - WELDING

FLAME RETARDANT ZERO HALOGEN

110°C INSULATED





OXYGEN FREE COPPER

RoHS compliant

V90HT PVC Insulated

FLEXIBLE POWER

SINGLE CORE V90HT 0.6/1KV



Applications: Power Cable 0.6/1KV for Fixed Applications
Conductor: Nominal 0.2mm stranded flexible Plain Copper Wire to AS1125.
Insulation: V90HT PVC to AS3808
Colours: **Black, Red, Blue, White, Green/Yellow**
Packs: 100 metres, bulk drum

Typical Properties							Electrical Data		
Standard: PVC INSULATED UNPROTECTED TO AS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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	4.950	4.8	5.30	40	11.20	9.71
ZBD119202	192/0.2	6	1.0	3.300	5.4	7.30	51	7.50	6.49
ZBD132202	322/0.2	10	1.0	1.910	6.3	11.40	69	4.45	3.86
ZBD151102	511/0.2	16	1.0	1.210	7.3	17.10	92	2.80	2.43
ZBD179202	784/0.2	25	1.2	0.780	8.8	30.00	125	1.78	1.54
ZBD1112102	1120/0.2	35	1.2	0.554	10.2	37.50	155	1.29	1.12
ZBD1159602	1568/0.2	50	1.4	0.386	11.9	51.00	185	0.96	0.83
ZBD1221202	2240/0.2	70	1.4	0.272	14.0	71.50	240	0.62	0.59
ZBD1302102	3040/0.2	95	1.6	0.206	16.0	97.00	295	0.51	0.44
ZBD1382102	3800/0.2	120	1.6	0.161	17.5	119.10	345	0.41	0.36

* AMP Ratings are to AS3008. Unenclosed-Spaced at 40°C. Refer AS3008 for derating factors.

FLEXIBLE POWER AND WELDING

SINGLE CORE DOUBLE INSULATED 0.6/1KV



Applications: For Fixed Power Applications
Power: Switchboards, Busbars, Transformers
Welding: Earth and Electrode Leads
Automotive: Jumper Leads, Battery Chargers

Conductor: Nominal 0.2mm stranded flexible Plain Copper Wire to AS1125
Insulation: Nitrile (NBR) Modified PVC to comply with AS3808 V90HT
Insulation Colour: **White**
Sheath: Nitrile (NBR) Modified PVC to comply with AS3808 V90HT
Sheath Colours: **Orange, Black - other colours available by request**
Packs: 100 metres, bulk drum

Typical Properties								Electrical Data		
Standard: V90HT AS5000.1, AS1995								Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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	1.910	9.1	14.42	69	4.45	3.86
ZDU151102	511/0.2	16	1.0	1.4	1.210	10.1	20.16	92	2.80	2.43
ZDU179202	784/0.2	25	1.2	1.4	0.780	11.8	29.14	125	1.78	1.54
ZDU1112102	1120/0.2	35	1.2	1.4	0.554	13.1	38.96	155	1.29	1.12
ZDU1159602	1568/0.2	50	1.4	1.4	0.386	14.9	52.84	185	0.96	0.83
ZDU1221202	2240/0.2	70	1.4	1.5	0.272	17.0	72.34	240	0.62	0.59
ZDU1302102	3040/0.2	95	1.6	1.5	0.206	19.3	96.18	295	0.51	0.44
ZDU1382102	3800/0.2	120	1.6	1.6	0.161	20.8	117.86	345	0.41	0.36

NOTE: * AMP Ratings are to AS3008. Unenclosed-Spaced at 40°C. Refer AS3008 for derating factors.
 * For Welding AMP Ratings refer to AS1995
 Specifications are subject to change without notice

OXYGEN FREE COPPER

RoHS compliant

110c Insulation



- * Can run at a higher temperature than conventional cable
- * Smaller cross section of copper for equivalent current loading
- * Smaller, lighter cable

FLAME RETARDANT ZERO HALOGEN CROSSLINKED THERMOSET SINGLE CORE

X-HF-110 FLEXIBLE POWER CABLE (0.6/1KV)



Applications: Power Cable 0.6/1KV for Fixed Applications
Conductor: Nominal 0.2mm stranded flexible Plain Copper Wire to AS1125
Insulation: X-HF-110 to AS3808
Colours: Black, Red, Blue, White, Green/Yellow
Packs: 100 metres, bulk drum

Typical Properties							Electrical Data		
Standard: SINGLE CORE UNPROTECTED TO AS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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
ZFX11602	16/0.2	0.5	0.7	39	2.40	1.10	7	125	107
ZFX13202	32/0.2	1.0	0.7	19.500	2.80	1.50	25	57.4	49.70
ZFX130025	30/0.25	1.5	0.7	13.300	3.10	2.00	32	36.85	31.90
ZFX150025	50/0.25	2.5	0.7	7.980	3.60	2.90	45	20.1	17.40
ZFX112802	128/0.2	4.0	0.7	4.950	4.20	4.40	59	12.5	10.80
ZFX119202	192/0.2	6.0	0.7	3.300	4.80	6.60	75	8.35	7.23
ZFX132202	322/0.2	10	0.7	1.910	5.80	10.50	105	4.97	4.30
ZFX151102	511/0.2	16	0.7	1.210	6.90	16.10	135	3.13	2.71
ZFX179202	784/0.2	25	0.9	0.780	8.70	28.80	185	1.99	1.72
ZFX1112102	1120/0.2	35	0.9	0.554	9.60	36.30	225	1.44	1.25
ZFX1159602	1568/0.2	50	1.0	0.386	11.20	49.50	275	1.07	0.929
ZFX1221202	2240/0.2	70	1.1	0.272	13.20	70.10	350	0.769	0.657
ZFX1302102	3040/0.2	95	1.1	0.206	15.00	94.20	435	0.567	0.491
ZFX1382102	3800/0.2	120	1.2	0.161	16.70	116.80	510	0.465	0.403

* AMP Ratings are to AS3008. Unenclosed-Spaced at 40°C. Refer AS3008 for derating factors.

ZERO HALOGEN FLAME RETARDANT 110°C

DOUBLE INSULATED 0.6/1KV



Applications: Power and Switchboard for Fixed Applications
Conductor: Nominal 0.2mm stranded flexible Plain Copper Wire to AS1125
Insulation: R-E-110 to AS3808
Insulation Colour: White
Sheath: HFS-110-TP to comply with AS3808
Sheath Colours: Orange, Black - other colours available by request
Packs: 100 metres, bulk drum

Typical Properties								Electrical Data		
Standard: AS 5000.1								Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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
ZDFX132202	322/0.2	10	1.0	1.4	1.910	9.1	16.30	105	4.97	4.30
ZDFX151102	511/0.2	16	1.0	1.4	1.210	10.1	23.40	135	3.13	2.70
ZDFX179202	784/0.2	25	1.2	1.4	0.780	11.8	33.60	185	1.99	1.72
ZDFX1112102	1120/0.2	35	1.2	1.4	0.554	13.1	44.60	225	1.44	1.24
ZDFX1159602	1568/0.2	50	1.4	1.4	0.386	14.9	62.50	275	1.07	0.92
ZDFX1221202	2240/0.2	70	1.4	1.4	0.272	17.0	81.80	350	0.769	0.65
ZDFX1302102	3040/0.2	95	1.6	1.5	0.206	19.3	113.00	435	0.567	0.48
ZDFX1382102	3800/0.2	120	1.6	1.5	0.161	20.8	137.40	510	0.465	0.39

* AMP Ratings are to AS3008. Unenclosed - Spaced at 40°C. Refer AS3008 for derating factors.



RoHS compliant

OXYGEN FREE COPPER OR TINNED COPPER

0.6/1KV

FLEXIBLE - SELF EXTINGUISHING DOUBLE INSULATED CROSS-LINKED INSULATION R-E-110

Applications: Power: Switchboards, Busbars, Transformers
Conductor: Nominal 0.2mm stranded flexible Plain Copper Wire to AS1125
Insulation: R-E-110 to AS3808
Insulation Colour: White
Sheath: Nitrile (NBR) Modified PVC to comply with AS3808 V90HT
Sheath Colours: Black, Red, Blue, White, Green/Yellow
Packs: 100 metres, bulk drum



Typical Properties								Electrical Data		
Standard: AS 5000.1								Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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
ZDXU132202	322/0.2	10	1.0	1.4	1.910	9.1	14.42	105	4.97	4.30
ZDXU151102	511/0.2	16	1.0	1.4	1.210	10.1	20.16	135	3.13	2.70
ZDXU179202	784/0.2	25	1.2	1.4	0.780	11.8	29.14	185	1.99	1.72
ZDXU1112102	1120/0.2	35	1.2	1.4	0.554	13.1	38.96	225	1.44	1.24
ZDXU1159602	1568/0.2	50	1.4	1.4	0.386	14.9	52.84	275	1.07	0.92
ZDXU1221202	2240/0.2	70	1.4	1.5	0.272	17.0	72.34	350	0.769	0.65
ZDXU1302102	3040/0.2	95	1.6	1.5	0.206	19.3	96.18	435	0.567	0.48
ZDXU1382102	3800/0.2	120	1.6	1.6	0.161	20.8	117.86	510	0.465	0.39

* AMP Ratings are to AS3008. Unenclosed-Spaced at 40°C. Refer AS3008 for derating factors.

POWER CABLE SINGLE CORE V90HT

Applications: Power Cable 0.6/1 KV
Conductor: Plain Copper Wire
Insulation: V90HT PVC to AS3808
Colours: Black, Blue, Brown, Orange, Violet, Red, White, Grey, Green/Yellow - Stripes available by request
Packs: 100, 500 metres.



Typical Properties							Electrical Data		
Standard: AS 5000.1							Current Rating* AMPS 2 Single Cores	Voltage Drop mV/Am at Max operating Temperature	
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
BVD11113	1/1.13	1	0.8	18.10	2.75	1.6	16	51.63	44.70
BVD1705	7/0.5	1.5	0.8	13.60	3.15	2.1	21	33.03	28.60
BVD17067	7/0.67	2.5	0.8	7.40	3.65	3.3	30	18.02	15.60
BVD17085	7/0.85	4	1.0	4.60	4.60	5.3	40	11.22	9.71
BVD17104	7/1.04	6	1.0	3.10	5.15	7.3	51	7.50	6.49
BVD17135	7/1.35	10	1.0	1.83	6.10	11.4	69	4.45	3.86
BVD17170	7/1.7	16	1.0	1.15	7.15	17.1	92	2.80	2.43

* AMP Ratings are to AS3008. Unenclosed-Spaced at 40°C. Refer AS3008 for derating factors.

SINGLE CORE V90HT 0.6/1KV PVC INSULATED TO AS3191

Applications: For Electrical Interconnections
Conductor: Tinned Copper Wire (TCW) or Plain Copper Wire (PCW) to AS1125
Insulation: V90HT PVC AS3808
Colours: Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Grey
Packs: 100, 500, 1000 metres



TCW (Tinned Copper Wire)	PCW (Plain Copper Wire)	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	AMP RATING	INSULATION THICKNESS (mm)	TCW ELECTRICAL RESISTANCE @20°C (ohm/km)	PCW ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
FVK11602	FVH11602	16/0.2	0.5	3.0	0.8	40.1	39.0	2.60	1.10
FVK12402	FVH12402	24/0.2	0.75	7.5	0.8	26.7	26.0	2.80	1.40
FVK13202	FVH13202	32/0.2	1.0	10.0	0.8	20.0	19.5	3.00	1.70
FVK130025	FVH130025	30/0.25	1.5	15.0	0.8	13.7	13.3	3.30	2.20
FVK150025	FVH150025	50/0.25	2.5	20.0	0.9	8.2	8.0	3.95	3.50
FVK15603		56/0.3	4.0	25.0	1.0	5.1	5.0	4.75	5.30

Manufactured by



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