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Australia

STREETS AHEAD



TYCAB AFTERMARKET AUTOMOTIVE CABLE

LOW TENSION PRIMARY WIRING
BATTERY & STARTER
FIGURE 8
TWIN SHEATH
MULTI-CORE TRAILER
FIGURE 8 BATTERY





OXYGEN FREE COPPER

RoHS compliant

V90 PVC Insulated

50V AC or 120V DC

SINGLE CORE LOW TENSION PRIMARY WIRING



Applications: General Purpose Automotive Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Colours: Black, Blue, Brown, Green, Grey, Orange, Pink, Red, Violet, White, Yellow and the widest range of trace colours
Packs: 30, 100, 500, 1000 metres - *other packs by request*

CODE	*MM INDUSTRY EQUIVALENT	NZ EQUIV.	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
ARM18032	2.5	148	8/0.32	0.64	13	0.4	29.9	2.0	0.9	
ASC11603	3	150	14/0.32	1.13	20	0.4	16.5	2.2	1.4	✓
ASC12603	4	152	23/0.32	1.84	28	0.4	10.1	2.6	2.1	✓
ASC14103	5	154	36/0.32	2.90	37	0.4	6.4	3.0	3.3	✓
ASC16503	6	156	57/0.32	4.59	48	0.6	4.1	4.0	5.3	✓

BATTERY / STARTER

Applications: Battery and Starter Cable
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Sheath Colours: Black or Red
Packs: 30, 100 metres - *other packs by request*



CODE	NEAREST B&S	NZ EQUIV.	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
ABC111203	8	158	96/0.32	7.71	74	0.9	2.4	5.5	9.3	✓
ABC119203	6		168/0.32	13.50	103	1.1	1.4	7.2	15.6	✓
ABC128703	4		252/0.32	20.26	135	1.1	0.9	8.3	22.4	✓
ABC136403	3		329/0.32	26.45	168	1.6	0.7	10.2	29.9	✓
ABC145503	2		399/0.32	32.07	188	1.7	0.6	11.3	37.1	✓
ABC1492032	1		492/0.32	39.55	210	1.7	0.5	12.1	44.4	✓
ABC1612032	0		608/0.32	49.00	246	1.7	0.4	12.7	54.3	✓
ABC191003	2/0		798/0.32	64.15	292	1.7	0.3	14.5	70.1	✓
ABC1120403	3/0		1035/0.32	83.19	335	2.0	0.23	16.4	94.0	✓
ABC1148203	4/0		1235/0.32	99.27	399	2.0	0.18	17.5	110.0	

DOUBLE INSULATED

Application: Gas Conversions
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Core Colour: Red
Sheath: 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: Black
Packs: 30, 100 metres - *other packs by request*



CODE	*MM INDUSTRY EQUIVALENT	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
ADC11603	3	14/0.32	1.13	20	0.4	0.8	16.5	3.8	2.75	✓
ADC12603	4	23/0.32	1.84	28	0.4	0.8	10.2	4.2	3.7	✓
ADC14103	5	36/0.32	2.9	37	0.4	0.8	6.4	4.6	4.62	✓
ADC16503	6	57/0.32	4.59	48	0.6	0.8	4.1	5.7	7.1	✓

** MM - is an industry term that identifies cable size and is **not** CONDUCTOR CROSS SECTION AREA

* AMP RATINGS: Refer to back page

OXYGEN FREE COPPER

RoHS compliant

V90 PVC Insulated

50V AC or 120V DC



MULTI CORE

FIGURE 8 PARALLEL WEBBED SPEAKER

Application: Hook-up, Speaker Connection
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Colours: Red with a Black stripe, other combinations also available
Packs: 30, 100, 500 metres - other packs by request



CODE	** MM INDUSTRY EQUIVALENT	NZ EQUIV.	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
LEC2142 ***	2		2	14/0.2	0.40	2.5	0.4	44.8	1.6 x 3.3	1.4	✓
LEC2242 ***			2	24/0.2	0.75	7.5	0.6	26.5	2.3 x 5.0	2.4	✓
AFC21603	3	151	2	14/0.32	1.13	16	0.6	16.5	2.6 x 5.9	3.2	✓
AFC22603	4	153	2	23/0.32	1.84	22	0.6	10.1	3.1 x 6.7	4.9	✓

*** V75 Insulation

TWIN SHEATH TWO CORE FLAT

Applications: Trailer Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Core Colours: Red, Black
Sheath: 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: Black
Packs: 30, 100, 500 metres - other packs including short length coils by request



CODE	** MM INDUSTRY EQUIVALENT	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
AWC27032	2	2	7/0.32	0.56	10	0.4	0.6	33.0	3.1 x 4.9	2.7	✓
AWC21603	3	2	14/0.32	1.13	16	0.4	0.6	16.5	3.3 x 5.5	4.1	✓
AWC2DDA ****	3	2	14/0.32	1.13	16	0.4	0.6	16.5	3.3 x 5.5	4.1	✓
AWC22603	4	2	23/0.32	1.84	22	0.4	0.6	10.1	3.8 x 6.3	6.1	✓
AWC24103	5	2	36/0.32	2.90	29	0.4	0.7	6.4	4.5 x 7.4	8.8	✓
AWC26503	6	2	57/0.32	4.59	38	0.6	0.8	4.1	5.7 x 9.6	14	✓
AWC28403	n/a	2	84/0.3	6.0	45	0.8	1.0	3.3	7.0 x 11.7	17.4	

**** Core Colours: Brown / White

TWIN SHEATH BATTERY

Applications: AWC - Battery Feeds, Charges, Winches, Power & Solar Generators
 AWY - Dual Battery Systems - encompassing wire for Electric Brake Systems
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Core Colours: AWC - Red, Black
 AWY - Red, Black + 1 X 4mm Red + 1 X 5mm Blue
Sheath: V90 P.V.C. to AS/NZS 3808
Sheath Colours: AWC - Black / Red
 AWY - Black
Packaging: 30, 50, 100 metres - other packs by request



CODE	NEAREST B&S	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
TWIN SHEATH BATTERY											
AWC296032	8	2	96/0.32	7.71	59.2	0.9	0.8	2.4	7.1 x 12.5	22.0	✓
AWC2168032	6	2	168/0.32	13.50	82.4	1.1	0.8	1.4	8.8 x 16.0	36.0	✓
AWC2252032	4	2	252/0.32	20.26	108.0	1.1	1.0	0.9	10.3 x 18.6	52.2	✓
AWC2329032	3	2	329/0.32	26.45	134.4	1.6	1.0	0.7	12.3 x 22.5	67.8	
AWC2399032	2	2	399/0.32	32.07	150.4	1.7	1.0	0.6	13.4 x 24.6	82.8	
AWC2492032	1	2	492/0.32	39.55	168.0	1.7	1.0	0.5	14.1 x 26.2	98.2	
AWC2156802	0	2	1568/0.2	50.00	196.8	1.4	1.0	0.386	14.1 x 26.2	118.0	
TWIN SHEATH DUAL BATTERY SYSTEM											
AWY26/123/136032	6	2 X	168/0.32	13.50	75	1.1	0.8	1.4	19.0 x 9.0	42.0	✓
		1 X	23/0.32	1.84	10	0.4		10.1			
		1 X	36/0.32	2.90	15	0.4		6.4			

NOTE: Not Suitable For Connection To Mains Power Supply

** MM - is an industry term that identifies cable size and is not CONDUCTOR CROSS SECTION AREA

* AMP RATINGS: Refer to back page



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RoHS compliant

V90 PVC Insulated

50V AC or 120V DC

MULTI-CORE TRAILER

Applications: Caravan and Trailer Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Core Colours: 1. White 2. Yellow 3. Brown 4. Red 5. Green 6. Black 7. Blue
Sheath: 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: Black
Packs: 30, 100, 500 metres - other packs including short length coils by request



CODE	** MM INDUSTRY EQUIVALENT	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
ATC31603	3	3	14/0.32	1.13	14	0.4	0.6	16.8	5.7	5.9	✓
ATC47032	2	4	7/0.32	0.56	7	0.4	0.6	33.1	5.6	4.9	
ATC57032	2	5	7/0.32	0.56	7	0.4	0.6	33.1	6.0	5.5	✓
ATC5903	2.5	5	8/0.32	0.64	8	0.4	0.6	29.9	6.7	6.4	✓
ATC51603	3	5	14/0.32	1.13	11	0.4	0.6	16.8	7.1	9.1	✓
ATC52603	4	5	23/0.32	1.84	15	0.4	0.6	10.3	8.2	13.1	✓
ATC77032	2	7	7/0.32	0.56	5	0.4	0.6	33.1	6.7	7.2	✓
ATC7903	2.5	7	8/0.32	0.64	6	0.4	0.6	29.9	7.3	8.3	✓
ATC71603	3	7	14/0.32	1.13	10	0.4	0.6	16.8	7.7	12.1	✓
ATC72603	4	7	23/0.32	1.84	14	0.4	0.6	10.3	8.9	17.7	✓

ROAD TRAIN - ADR 63 - HEAVY DUTY

Applications: Road Train Wiring - Road Train SPEC ADR 63
 MIN: 5mmsq (conductor area)
 MAX: 4 ohms/km (electrical resistance)
Conductor: OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90 P.V.C. to AS/NZS 3808
Core Colours: 1. White 2. Yellow 3. Brown 4. Red 5. Green 6. Black 7. Blue
Sheath: 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: Black
Packs: 30, 100 metres - other packs by request



CODE	AWG SIZE	NO. OF CORES	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
ATH565032	10	5	65/0.32	5.22	30	0.6	1.5	3.6	14.7	40.0	✓
ATH765032	10	7	65/0.32	5.22	28	0.6	1.5	3.6	16.5	52.1	✓

FIGURE 8 BATTERY

Applications: Indoors & Outdoors, Motorised Vehicles, Fork Lifts, Field Conveyor, In High Quality Booster Cables, Battery and Starter
Conductor: Nominal 0.2mm OXYGEN FREE Plain Copper Wire to AS/NZS 1125
Insulation: V90HT P.V.C. to AS/NZS 3808
Core Colours: Red, Blue | LDX2CBB20A *** Red, Black
Sheath: UV Stabilised P.V.C. type rated V90HT to AS/NZS 3808
Sheath Colour: Clear
Packs: 50 or 100 metres



CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	**AMP RATING @ 30°C	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
LDX250025	50/0.25	2.5	0.8	0.8	25	7.98	5.3 x 11.0	9.6	
LDX25603	56/0.3	4	0.8	0.9		4.95	6.0 x 12.5		
LDX219202	192/0.2	6	0.8	0.9	40	3.3	6.8 x 14.1	17.6	
LDX232202	322/0.2	10	1.0	0.9	74	1.91	8.0 x 17.0	26.1	
LDX2CBB20A	322/0.2	10	1.0	0.9	74	1.91	8.0 x 17.0	16.5	✓
LDX251102	511/0.2	16	1.0	1.0	94	1.21	9.5 x 19.5	23.0	✓
LDX278402	784/0.2	25	1.2	1.1	135	0.78	11.0 x 22.5	39.0	✓
LDX2112002	1120/0.2	35	1.2	1.2	150	0.554	12.6 x 25.7	77.6	✓

** MM - is an industry term that identifies cable size and is not CONDUCTOR CROSS SECTION AREA

* AMP RATING: TO JASO D609 derating factors apply

Derating Factors for Bundling of Single Core Cables									
No of Cables	1	2	3	4	5	6 to 7	8 to 10	11 to 12	
Factor	1	0.8	0.7	0.6	0.55	0.5	0.45	0.4	
Derating Factors for Ambient Temperatures °C									
Temperature	30	40	50	60	70				
Factor	1.00	0.90	0.76	0.60	0.45				



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