



OXYGEN FREE COPPER

RoHS compliant

V90 PVC Insulated

60V DC or 25V AC

SINGLE CORE

LOW TENSION PRIMARY WIRING



Application: General Purpose Automotive Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC Insulated to AS3808
Colours: Red, Blue, Green, White, Black, Brown, Violet, Orange, Grey and the widest range of trace colours
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type

CODE	*MM INDUSTRY EQUIVALENT	NZ EQUIV.	STRAND NO/SIZE	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
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



Application: Battery and Starter Cable
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC to AS3808
Sheath Colour: Red or Black
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type

CODE	NEAREST B&S	NZ EQUIV.	STRAND NO/SIZE	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @ 20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
ABC111203	8	158	96/0.32	7.71	74	0.9	2.40	5.5	9.30
ABC119203	6		168/0.32	13.50	103	1.1	1.40	7.2	15.60
ABC128703	4		252/0.32	20.26	135	1.1	0.90	8.3	22.40
ABC136403	3		329/0.32	26.45	168	1.6	0.70	10.2	29.90
ABC145503	2		399/0.32	32.07	188	1.7	0.60	11.3	37.10
ABC1492032	1		492/0.32	39.55	210	1.7	0.50	12.1	44.40
ABC1612032	0		608/0.32	49.00	246	1.7	0.40	12.7	54.30
ABC191003	2/0		798/0.32	64.15	292	1.7	0.30	14.5	70.10
ABC1120403	3/0		1035/0.32	83.19	335	2.0	0.23	16.4	94.00
ABC1148203	4/0		1235/0.32	99.27	399	2.0	0.18	17.5	110.00

DOUBLE INSULATED

V90 PVC INSULATED AND SHEATHED



Application: Gas Conversions
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC to AS3808
Core Colour: Red
Sheath: 5V90 PVC to AS3808
Sheath Colour: Black
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type

CODE	*MM INDUSTRY EQUIVALENT	STRAND NO/SIZE	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)
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
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 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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MULTI CORE FIGURE 8 PARALLEL WEBBED SPEAKER PVC INSULATED

Application: Hook-up, Speaker Connection
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC to AS3808
Colours: Red with a Black stripe / Black with a Red stripe - other combinations available by request
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type



CODE	*MM INDUSTRY EQUIVALENT	NZ EQUIV.	NO. OF CORES	STRAND NO/SIZE	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
LFC21402***	2		2	14/0.20	0.40	2.5	0.4	45.0	1.75 x 3.9	1.4
AFC21603	3	151	2	14/0.32	1.13	10	0.6	16.5	2.6 x 5.9	3.2
AFC22603	4	153	2	23/0.32	1.84	15	0.6	10.1	3.1 x 6.7	4.9

*** V75 Insulation

TWIN SHEATH TWO CORE FLAT V90 PVC INSULATED AND SHEATHED

Application: Trailer Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC to AS3808
Core Colours: Red, Black
Sheath: 5V90 PVC to AS3808
Sheath Colour: Black
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type



CODE	*MM INDUSTRY EQUIVALENT	NO. OF CORES	STRAND NO/SIZE	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)
AWC21603	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

MULTI-CORE TRAILER CABLE V90 PVC INSULATED AND SHEATHED

Application: Caravan and Trailer Wiring
Conductor: OXYGEN FREE Plain Copper Wire to AS1125
Insulation: V90 PVC to AS3808
Core Colours: 1. White 2. Yellow 3. Brown 4. Red 5. Green 6. Black 7. Blue
Sheath: 5V90 PVC to AS3808
Sheath Colour: Black
Packs: 30, 50, 100, 500, 1000 metres, bulk drum - depending on product type



CODE	*MM INDUSTRY EQUIVALENT	NO. OF CORES	STRAND NO/SIZE	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)
ATC37032	2	3	7/0.32	0.56	7	0.4	0.6	33.1	4.9	3.7
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
ATC42603	4	4	23/0.32	1.84	14	0.4	0.6	10.3	7.5	3.2
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

*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 Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1.00	0.90	0.76	0.60	0.45



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ROAD TRAIN - ADR 63 - HEAVY DUTY

Application: Road Train Wiring - Road Train SPEC ADR 63
 MIN: 5 mmsq (conductor area)
 MAX: 4 ohms/km (elect resist)

Conductor: OXYGEN FREE Plain Copper Wire to AS1125

Insulation: V90 PVC to AS3808

Core Colours: 1. White 2. Yellow 3. Brown 4. Red 5. Green 6. Black 7. Blue

Sheath: 5V90 PVC to AS3808 (five and seven core)

Sheath Colour: Black

Packs: 30, 50, 100, 250 metres, bulk drum - depending on product type



CODE	AWG SIZE	NO. OF CORES	STRAND NO./SIZE	NOMINAL AREA (mm ²)	**AMP RATING @ 30°C	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	ELECTRICAL RESISTANCE (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
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 CABLE

Applications: Indoors and 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 AS1125

Insulation: V90HT PVC to AS3808 0.6/1KV

Core colours: Red and Blue - other colours available by request

Sheath: UV Stabilised PVC type rated V90HT to AS3808

Sheath Colour: Clear

Packs: 50, 100 metres



CODE	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	**AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
LDX232202	322/0.20	10	1.0	0.8	74	1.910	8.0 x 17.0	16.5
LDX251102	511/0.20	16	1.0	0.8	94	1.210	9.5 x 19.5	23.0
LDX278402	784/0.20	25	1.2	1.1	135	0.780	11.0 x 22.5	39.0

AUTOMOTIVE FLAT TRAILER CABLE PLAIN COPPER

Application: Car Boot Trailer Connections

Insulation: V90 PVC to AS3808

Core Colours: 5 Core: White, Yellow, Brown, Red, Green
 7 Core: White, Yellow, Brown, Red, Green, Blue, Black

Sheath: 5V90 to AS3808

Sheath Colour: Black

Packs: 30, 50, 100, 500, bulk drum - depending on product type



CODE	VOLTAGE RATING	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	SHEATH THICKNESS (mm)	**AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)
AVM519019	60V d.c	0.5	0.6	1.0	7	33.1	4.4 x 13.0	9.6
AVM719019	60V d.c	0.5	0.6	1.0	5	33.1	4.4 x 17.5	12.1

** AMP RATING: TO JASO D609 derating factors apply

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1.00	0.90	0.76	0.60	0.45

Manufactured by



Distributed by:

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