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OCEANS AHEAD



TYCAB MARINE CABLE

MARINE CABLE

TYCAB

Photo Courtesy of The Riviera Group

- SINGLE CORE
- SINGLE CORE BATTERY
- TWIN SHEATH
- TWIN SHEATH BATTERY
- MULTI-CORE TRAILER
- FIGURE 8



Quality
ISO 9001





TINNED COPPER

RoHS compliant

V90 PVC Insulated

50Va.c. or 120Vd.c.

SINGLE CORE

EXTRA LOW VOLTAGE

Applications: Pleasure Craft, General Purpose Marine Wiring
Conductor: **TINNED COPPER WIRE (TCW)** to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Colours: **Black, Red, stripes by request**
Packs: 50, 100 metres - *other packs by request*



CODE	** MM INDUSTRY EQUIVALENT	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	* AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
MSS11603	3	14/0.32	1.13	0.4	20	16.7	2.2	1.4	✓
MSS12603	4	23/0.32	1.84	0.4	28	10.2	2.6	2.1	✓
MSS16503	6	57/0.32	4.59	0.6	48	4.15	4.0	5.3	✓

HEAVY DUTY

Applications: Wiring of Communication, Electronic Equipment and Switchboards
Conductor: **TINNED COPPER WIRE (TCW)** to AS/NZS 1125
Insulation: RoHS Compliant V90HT (105) P.V.C. to AS/NZS 3808
Colours: **Black, Blue, Brown, Green / Yellow, Grey, Orange, Pink, Red, Violet, White, Yellow**
Packs: 100, 1000 metres - *other packs by request*



CODE	CONDUCTOR NO/DIA (mm)	VOLTAGE RATING	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	* AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
FVK11602	16/0.2	0.6/1KV	0.5	0.8	10	40.1	2.6	1.1	✓
FVK12402	24/0.2	0.6/1KV	0.75	0.8	12	26.7	2.8	1.4	✓
FVK13202	32/0.2	0.6/1KV	1.0	0.8	15	20.0	3.0	1.7	✓
FVK130025	30/0.25	0.6/1KV	1.5	0.8	18	13.7	3.15	2.2	✓
FVK150025	50/0.25	0.6/1KV	2.5	0.9	26	8.2	3.95	3.5	✓
FVK15603	56/0.3	0.6/1KV	4.0	1.0	40	5.1	4.75	5.3	✓
FVK18403	84/0.3	0.6/1KV	6.0	1.0	51	3.2	5.3	7.5	✓
FVK132202	320/0.2	0.6/1KV	10.0	1.0	69	1.95	6.1	11.3	

BATTERY

Applications: Pleasure Craft, Extra Low Voltage Applications
Conductor: **TINNED COPPER WIRE (TCW)** to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Colours: **Black, Red**
Packs: 30, 50, 100 metres - *other packs by request*



CODE	NEAREST B&S	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	* AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
MBS111203	8	96/0.32	8	0.9	74	2.50	5.75	9.2	✓
MBS132002		320/0.2	10	1.1	84	1.95	6.35	11.4	
MBS119203	6	168/0.32	13.5	1.1	103	1.42	7.2	15.6	
MBS122403		224/0.3	16	1.2	110	1.24	7.8	17.7	✓
MBS128703	4	252/0.32	20.26	1.1	135	0.91	8.3	22.4	
MBS136403	3	329/0.32	25.7	1.6	168	0.79	10.2	29.2	✓
MBS145503	2	399/0.32	32	1.7	188	0.62	10.3	36.5	✓
MBS149403	1	492/0.32	35	1.7	210	0.56	11.4	38.4	
MBS172803	0	708/0.3	50	1.7	246	0.39	13.2	54.5	

* 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

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

TINNED COPPER

RoHS compliant

V90 PVC Insulated

50Va.c. or 120Vd.c.



SINGLE CORE DOUBLE INSULATED 0.6/1KV

Application: 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 Colour: **Orange** - other colours available by request
Packs: 50 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)
ZDT151102	511/0.2	16	1.0	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

MULTI CORE

FLAT TWIN SHEATH

Applications: Marine Trailer Wiring, General Purpose Marine Wiring, Lights, Instrumentation
Conductor: **TINNED COPPER WIRE (TCW)** to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Core Colours: **Red & Black**
Sheath: RoHS Compliant 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: **White**
Packs: 50, 100 metres - other packs by request



CODE	** MM INDUSTRY EQUIVALENT	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)	STOCK ITEM
MWS21602	2	16/0.2	0.5	0.5	0.6	7	39.0	3.2 x 5.2	2.6	✓
MWS21603	3	14/0.32	1.13	0.4	0.6	16	16.7	3.3 x 5.5	4.1	✓
MWS22603	4	23/0.32	1.8	0.4	0.6	22	10.2	3.8 x 6.3	6.1	✓
MWS26503	6	57/0.32	4.5	0.6	0.8	38	4.15	5.7 x 9.6	14.0	✓

FLAT TWIN SHEATH BATTERY

Applications: Battery Winches, Feeds, Charges, Power & Solar Generators
Conductor: **TINNED COPPER WIRE (TCW)** to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Core Colours: **Red & Black**
Sheath: RoHS Compliant 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: **Black**
Packs: 30 metres - other packs by request



CODE	NEAREST B&S	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)	STOCK ITEM
MWS296032	8	96/0.32	7.7	0.9	0.8	59	2.43	7.1 x 12.5	22.0	✓
MWS2168032	6	168/0.32	13.5	1.1	0.8	82	1.42	8.8 x 16.0	36.0	✓
MWS2399032	2	399/0.32	32.0	1.7	0.96	150	0.61	13.0 x 24.0	83.0	✓

* 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

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



TINNED COPPER

RoHS compliant

V90 PVC Insulated

50Va.c. or 120Vd.c.

MULTI CORE

TRAILER CABLE

Applications: Marine Trailer Wiring
Conductor: TINNED COPPER WIRE (TCW) to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Core Colours: 3 Core: White, Yellow, Brown
 5 Core: White, Yellow, Brown, Red, Green
 7 Core: White, Yellow, Brown, Red, Green, Blue, Black
Sheath: RoHS Compliant 5V90 P.V.C. to AS/NZS 3808
Sheath Colour: White
Packs: 50, 100 metres - coils available by request



CODE	NO. OF CORES	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)	STOCK ITEM
MTS32603	3	23/0.32	1.84	0.4	0.6	19	10.2	7.2	8.4	✓
MTT51602	5	16/0.2	0.5	0.3	0.5	6	40.1	5.4	4.9	
MTT53202	5	32/0.2	1.0	0.4	0.6	8	20.0	7.2	8.2	
MTT71602	7	16/0.2	0.5	0.3	0.6	5.5	40.1	5.9	5.4	✓
MTT73202	7	32/0.2	1.0	0.4	0.6	7	20.0	7.8	10.9	✓
MTS72603	7	23/0.32	1.84	0.4	0.6	14	10.3	9.0	17.7	✓

FIGURE 8

Applications: Pleasure Craft Low Voltage Applications, Hook Up and Speaker Connections
Conductor: TINNED COPPER WIRE (TCW) to AS/NZS 1125
Insulation: RoHS Compliant V90 P.V.C. to AS/NZS 3808
Colours: Red with Black trace
Packs: 50, 100 metres - other packs by request



CODE	** MM INDUSTRY EQUIVALENT	CONDUCTOR NO/DIA (mm)	NOMINAL AREA (mm ²)	INSULATION THICKNESS (mm)	* AMP RATING JASO D609 @30°C	ELECTRICAL RESISTANCE @20°C (ohm/km)	NOMINAL O.D. (mm)	MASS (kg/100m)	STOCK ITEM
MFS21603	3	14/0.32	1.13	0.6	16	16.7	2.6 x 5.9	3.2	✓
MFS22603	4	23/0.32	1.84	0.6	22	10.2	3.1 x 6.7	4.9	✓

* 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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