TYREE NZ

AUTOMOTIVE & MARINE CABLE

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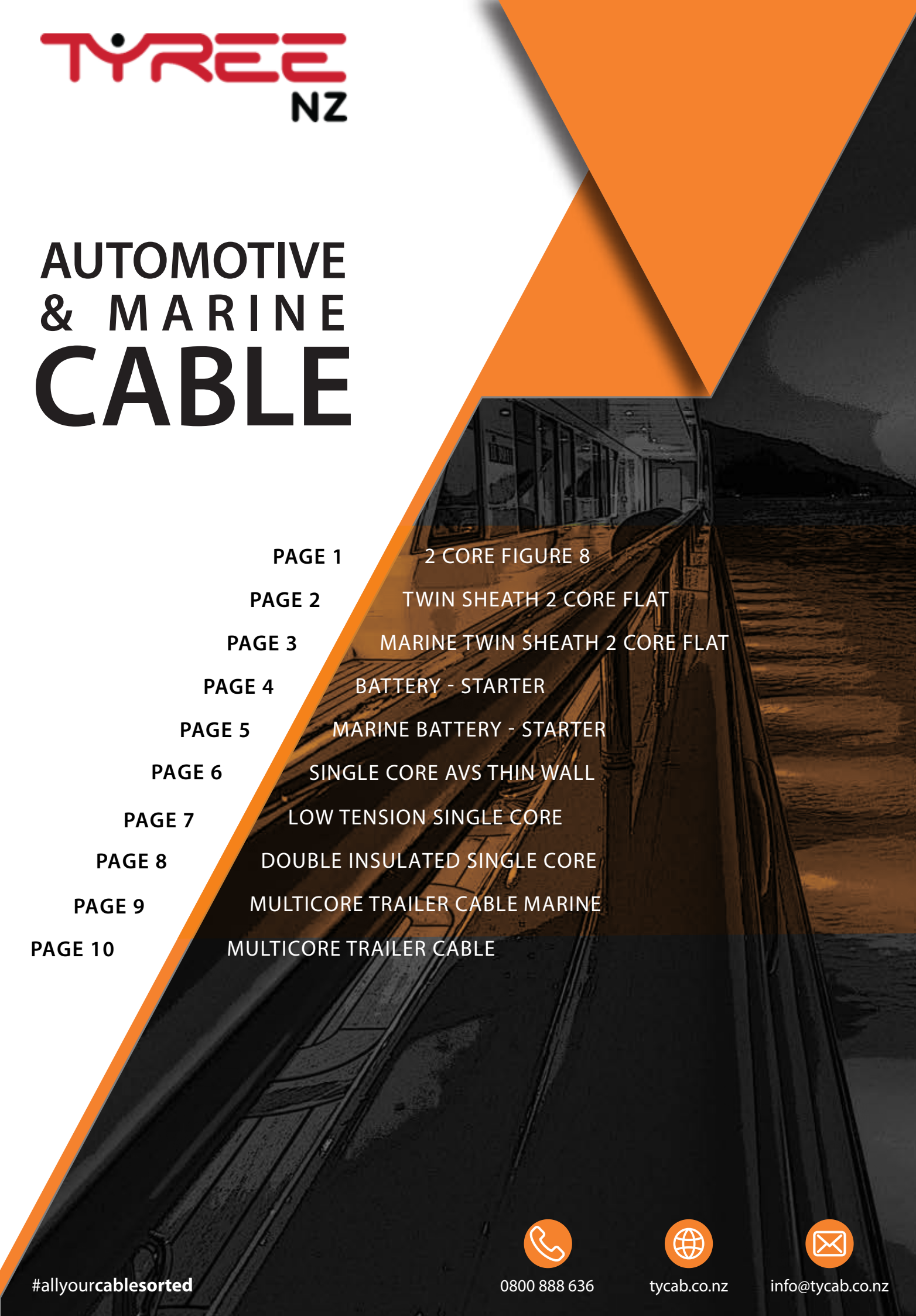
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TYREE NZ

Automotive & Marine

2 Core Figure 8 (AFC, MFS, AFLS)

V90 PVC insulated

Applications

Trailer Wiring, 12/24VDC Low Voltage Applications e.g. Access Control

Product Specifications

Construction:

Conductor: Plain and Tinned Annealed Copper to AS/NZS1125

Drawn from Class 102 & 110 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808 and LSZH Available

Sheath: N/A

Relevant Standard: AS/NZS3808, AS/NZS1125, & AS/NZS1574

Core Configuration:

Red with Black stripe, Black with Red stripe



Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c	Electrical Resistance @ 20°c (0/KM)	Nominal OD
AFC21603	AUFE-3	2	1.13	16	20	16.5	2.6 x 5.9
AFC22603	AUFE-4	2	1.84	22	28	10.1	3.1 x 6.7
Tinned							
MFS21603	MAFE-3T	2	1.13	16	48	16.5	2.6 x 5.9
MFS22603	MAFE-4T	2	1.84	22	20	10.1	3.1 x 6.7
LSZH							
AFLS214032	AFLS02/1.13-RDGL	2	1.13	16	37	16.5	2.6 x 5.9

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

TYREE NZ

Automotive & Marine

Twin Sheath 2 Core Flat (AWC)

V90 PVC insulated

Applications

Trailer Wiring, 12/24VDC Low Voltage Applications e.g. Access Control

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS/NZS1125

Drawn from Class 110A copper to AS/NZS1574



Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS3808

Relevant Standard: AS/NZS3808, AS/NZS1125, & AS/NZS1574.

Core Configuration: 1. Red, 2. Black.

Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c	Electrical Resistance @ 20°c (0/KM)	Nominal OD
AWC27032	AUTS-2	2	0.5	7/0.32	8	33	3.1 x 4.9
AWC21603	AUTS-3	2	1.13	16/0.3	16	16.5	3.3 x 5.5
AWC22603	AUTS-4	2	1.84	26/0.3	22	10.1	3.8 x 6.3
AWC24103	AUTS-5	2	3.0	41/0.3	29	6.4	4.5 x 7.4
AWC26503	AUTS-6	2	5.0	65/0.3	38	4.1	5.7 x 9.6
AWC296032	AUTB-8	2	7.71	96/0.32	59	2.4	7.1 x 12.5
AWC2168032	AUTB-6	2	13.5	168/0.32	82	1.4	8.8 x 16
AWC2252032	AUTB-4	2	20.26	252/0.32	150	0.9	10.3 x 18.6

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

TYREE NZ

Automotive & Marine

Marine Twin Sheath 2 Core Flat (MWS)

V90 PVC insulated

Applications

Trailer Wiring, 12/24VDC Low Voltage Applications

Product Specifications

Construction:

Conductor: Tinned Annealed Copper to AS/NZS1125

Drawn from Class 102 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS3808

Relevant Standards: AS/NZS3808, AS/NZS1125, & AS/NZS1574

Core Configuration: 1. Red, 2. Black



Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30˚c*	Electrical Resistance @ 20˚c (0/KM)	Nominal OD
MWS21603	MATS-3T	2	1.13	16/0.3	16	16.5	3.7 x 5.8
MWS22603	MATS-4T	2	1.84	26/0.3	22	10.1	4.1 x 6.6
MWS26503	MATS-6T	2	4.5	65/0.3	38	4.1	5.9 x 9.9
MWS296032	MATB-8T	2	8	96/0.3	59	2.4	7.1 x 12.5

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures ˚C								
No of Cables	1	2	3	4	5	6-7	8-10	11-12
Factor	1	0.80	0.70	0.60	0.55	0.50	0.45	0.40

Derating Factors for Ambient Temperatures ˚C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

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TYREE NZ

Automotive & Marine

Battery / Starter (ABC)

V90 PVC insulated

Applications

Battery and Starter cable

Product Specifications

Construction:

Conductor: Plain Annealed Copper

Drawn from Class 102 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured V90 PVC to AS/NZS3808



Relevant Standard: AS/NZS3808, AS/NZS1125, AS/NZS1574 and SAE J1127

Rated to 60Volt

Available Colours:

● **Red** ● **Black**

Current Code	New Code	Nearest B&S	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c*	Electrical Resistance @ 20°c (0/KM)	Nominal OD
ABC111203	AUBS-8	8	7.71	96/0.32	74	2.40	5.5
ABC119203	AUBS-6	6	13.5	168/0.32	103	1.40	7.2
ABC128703	AUBS-4	4	20.26	252/0.32	135	0.90	8.3
ABC136403	AUBS-3	3	26.45	329/0.32	168	0.70	10.2
ABC145503	AUBS-2	2	32.07	399/0.32	188	0.60	11.3
ABC1492032	AUBS-1	1	39.55	492/0.32	210	0.50	12.1
ABC1612032	AUBS-0	0	49.00	608/0.32	246	0.40	12.7
ABC191003	AUBS-00	2/0	64.15	798/0.32	292	0.30	14.5
ABC1120403	AUBS-000	3/0	83.19	1035/0.32	335	0.23	16.4
ABC1148203	AUBS-0000	4/0	99.27	1235/0.32	399	0.18	17.5

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures °C								
No of Cables	1	2	3	4	5	6-7	8-10	11-12
Factor	1	0.80	0.70	0.60	0.55	0.50	0.45	0.40

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

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TYREE NZ

Automotive & Marine

Marine Battery / Starter (MBS)

V90 PVC Insulated

Applications

Marine Battery and Starter Cable

Product Specifications

Construction:

Conductor: Tinned Annealed Copper

Drawn from Class 110A copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS3808

Relevant Standard: AS/NZS3808, AS/NZS1125, AS/NZS1574 and SAE J1127



Current Code	New Code	Voltage Rating	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c*	Electrical Resistance @ 20°c (0/KM)	Nominal OD
MBS111203	MABS-8T	60V d.c.	8	96/0.32	74	2.50	5.75
MBS122403	MASP-16T	60V d.c.	16	224/0.30	110	1.24	7.80
MBS136403	MABS-3T	60V d.c.	25	329/0.32	168	0.79	10.2
MBS145503	MABS-2T	60V d.c.	32	399/0.32	188	0.62	10.3
MBS149403*	MABS-1T	60V d.c.	35	492/0.32	210	0.56	11.4
MBS172803*	MABS-0T	60V d.c.	50	708/0.30	56	0.39	13.20

*MTO - please enquire

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures °C								
No of Cables	1	2	3	4	5	6-7	8-10	11-12
Factor	1	0.80	0.70	0.60	0.55	0.50	0.45	0.40

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

TYREE NZ

Automotive & Marine

Single Core AVS Thin Wall (AUD)

V90HT PVC insulated 105°C

(Low Voltage, 80°C as per JASO D611)

Applications

Harness and Wiring Loom Manufacturing

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS/NZS1125 and JIS-C3102

Drawn from Class 110A copper to AS/NZS1574

Insulation: Coloured V90HT PVC to AS/NZS 3808

and to meet performance criteria of JASO D611

Relevant Standards:



AS/NZS3808, AS/NZS1125, AS/NZS1574, JASO D611, JASO D609, and JIS-C3102

Available Colours:

Black, Green, Blue, Brown
Orange, Pink, Red, Grey
Violet, White, Yellow

**stripes available by request*

Current Code	New Code	Nearest SAE (B&S) AWG	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c*	Electrical Resistance @ 20°c (Ω/KM)	Nominal OD
AUD17026	AUVS-0.37	21 /½	0.37	7/0.26	10	50	1.7
AUD17032	AUVS-0.5	20	0.56	7/0.32	13	32.7	1.9
AUD116026	AUVS-0.85	18	0.85	16/0.26	17	22	2.1
AUD116032	AUVS-1.25	16	1.29	16/0.32	20	14.3	2.4
AUD126032	AUVS-2	14	2.09	26/0.32	31	8.8	2.9
AUD141032	AUVS-3	12	3.30	41/0.32	42	5.5	3.55
AUD165032	AUVS-5	10	5.22	65/0.32	56	3.5	4.35

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures °C								
No of Cables	1	2	3	4	5	6-7	8-10	11-12
Factor	1	0.80	0.70	0.60	0.55	0.50	0.45	0.40

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

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TYREE NZ

Automotive & Marine

Low Tension Single Core (ASC)

V90 PVC insulated

Applications

General Purpose Automotive Wiring

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS/NZS1125

Drawn from Class 102 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: N/A

Relevant Standards: AS/NZS3808, AS/NZS1125, & AS/NZS1574.

Available Colours:

- Black
- Blue
- Pink
- Violet
- Green
- Brown
- Red
- White
- Green/Yellow
- Orange
- Grey
- Yellow



Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c	Electrical Resistance @ 20°c (0/KM)	Nominal OD
ASC11603	AUSC-3	1	1.13	14/0.32	20	16.5	2.2
ASC12603	AUSC-4	1	1.84	23/0.32	28	10.1	2.6
ASC14103	AUSC-5	1	2.90	36/0.32	37	6.4	3.0
ASC16503	AUSC-6	1	4.59	57/0.32	48	4.1	4.0

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

TYREE NZ

Automotive & Marine

Low Tension Single Core (ADC)

Double Insulated Automotive cable V90 PVC insulated

Applications

General Purpose Automotive Wiring

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS/NZS1125

Drawn from Class 102 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS 3808

Relevant Standards: AS/NZS3808, AS/NZS1125, AS/NZS1574.

Available Colours:

- Black - Sheath
- Red - Insulation



Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c	Electrical Resistance @ 20°c (0/KM)	Nominal OD
ADC11603	AUDI-3	1	1.13	14/0.32	20	16.5	3.8
ADC12603	AUDI-4	1	1.84	23/0.32	28	10.1	4.2

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

TYREE NZ

Automotive & Marine

Multicore Trailer Cable (ATC, AWM, ATH)

V90 PVC insulated

Applications

Caravan and Trailer Wiring, 12/24VDC Low Voltage Applications

Product Specifications

Construction:

Conductor: Plain Annealed Copper to AS/NZS1125
Drawn from Class 110A copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 3808

Sheath: Coloured 5V90 PVC to AS/NZS3808



Relevant Standard: AS/NZS3808, AS/NZS1125, & AS/NZS1574

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

Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c*	Electrical Resistance @ 20°c (0/KM)	Nominal OD
ATC31603	AUTR-3/3	3	1.13	14/0.32	14	16.8	5.7
ATC47032	AUTR-4/2	4	0.56	7/0.32	7	33.1	5.6
ATC57032	AUTR-5/2	5	0.56	7/0.32	7	33.1	6.0
ATC5903	AUTR-5/2.5	5	0.64	8/0.32	8	29.9	6.7
ATC51603	AUTR-5/3	5	1.13	14/0.32	11	16.8	7.1
ATC52603	AUTR-5/4	5	1.84	23/0.32	15	10.3	8.2
ATC77032	AUTR-7/2	7	0.56	7/0.32	5	33.1	6.7
ATC7903	AUTR-7/2.5	7	0.64	8/0.32	6	29.9	7.3
ATC71603	AUTR-7/3	7	1.13	14/0.32	10	16.8	7.7
ATC72603	AUTR-7/4	7	1.84	23/0.32	14	10.3	8.9
Flat Trailer Cable							
AWM719019*	AUTF-7/0.5	7	0.5	19/0.19	5	33.1	4.4 x 17.5
Road Train - ADR 63 - Heavy Duty							
ATH565032	AUTH-5/6	5	5.22	65/0.32	30	3.6	14.7
ATH765032	AUTH-7/6	6	5.22	65/0.32	28	3.6	16.5
ATH0845	AUTH-6/3/1/4	6 + 1	1.13	14/0.32	20	16.5	7.80
			2.00	26/0.32	31	8.8	11.5

* MTO - Please enquire

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

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TYREE NZ

Automotive & Marine

Marine Multicore Trailer Cable (MTT, MTS)

V90 PVC insulated

Applications

Marine Trailer Wiring, 12/24VDC Low Voltage Applications.

Product Specifications

Construction:

Conductor: Tinned Annealed Copper to AS/NZS1125

Drawn from Class 102 copper to AS/NZS1574

Insulation: Coloured V90 PVC to AS/NZS 38088

Sheath: Coloured 5V90 PVC to AS/NZS3808

Relevant Standard: AS/NZS3808, AS/NZS1125, & AS/NZS1574.

Core Configuration:

1. White, 2. Yellow, 3. Brown, 4. Red, 5. Green, 6. Black, 7. Blue



Current Code	New Code	No. of Cores	Nominal Area (mm2)	Strand No. / Size	Amp Rating @ 30°c*	Electrical Resistance @ 20°c (0/KM)	Nominal OD
MTS32603	MATR-3/4T	3	1.84	26/0.3	19	7.2	7.2
MTT51602	MATR-5/0.5T	5	0.5	16/0.2	6	5.4	5.4
MTT53202	MATR-5/1T	5	1	32/0.2	8	7.2	7.2
MTT71602	MATR-7/0.5T	7	0.5	16/0.2	6	5.4	5.9
MTT73202	MATR-7/1T	7	1	32/0.2	7	7.8	7.8

**Amp Rating to JASO D609 derating factors apply.*

Derating Factors for Ambient Temperatures °C					
Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45