

# AUTOMOTIVE & MARINE CABLE

PAGE 1	2 CORE FIGURE 8
PAGE 2	TWIN SHEATH 2 CORE FLAT
PAGE 3	MARINE TWIN SHEATH 2 CORE FLAT
PAGE 4	BATTERY - STARTER
PAGE 5	MARINE BATTERY - STARTER
PAGE 6	SINGLE CORE AVS THIN WALL
PAGE 7	LOW TENSION SINGLE CORE
PAGE 8	MULTICORE TRAILER CABLE
PAGE 9	MARINE MULTICORE TRAILER CABLE



# 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



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
AFC21603	2	1.13	16	20	16.5	2.6 x 5.9
AFC22603	2	1.84	22	28	10.1	3.1 x 6.7
Tinned						
MFS21603	2	1.13	16	48	16.5	2.6 x 5.9
MFS22603	2	1.84	22	20	10.1	3.1 x 6.7
LSZH						
AFLS214032	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

# 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.



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
AWC27032	2	0.5	7/0.32	8	33	3.1 x 4.9
AWC21603	2	1.13	16/0.3	16	16.5	3.3 x 5.5
AWC22603	2	1.84	26/0.3	22	10.1	3.8 x 6.3
AWC24103	2	3.0	41/0.3	29	6.4	4.5 x 7.4
AWC26503	2	5.0	65/0.3	38	4.1	5.7 x 9.6
AWC296032	2	7.71	96/0.32	59	2.4	7.1 x 12.5
AWC2168032	2	13.5	168/0.32	82	1.4	8.8 x 16
AWC2252032	2	20.26	252/0.32	150	0.9	10.3 x 18.6
AWC2329032	2	26.45	329/0.32	168	0.7	12.3 x 22.5
AWC2399032	2	32.07	399/0.32	188	0.6	13.1 x 24
AWC2492032	2	39.55	492/0.32	210	0.5	14.1 x 26.2
AWC2156802	2	50	1235/0.32	246	0.386	14 x 25.8

### Derating Factors for Ambient Temperatures °C

Temperature	30	40	50	60	70
Factor	1	0.9	0.76	0.60	0.45

# 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



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C*	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
MWS22402	2	0.75	24/0.2	12	26.7	4.1 x 6.5
MWS21603	2	1.13	16/0.3	16	16.5	3.7 x 5.8
MWS21803	2	1.25	18/0.3	18	14.5	3.7 x 5.9
MET2CK025	2	1.5	30/0.25	19	13.7	4.1 x 7.2
MWS22603	2	1.84	26/0.3	22	10.1	4.1 x 6.6
MWS250025	2	2.5	50/0.25	26	8.2	4.9 x 8.1
MWS25603	2	4	56/0.3	35	5.1	5.6 x 9.4
MWS26503	2	4.5	65/0.3	38	4.1	5.9 x 9.9
MWS28403	2	6	84/0.3	48	3.1	6.1 x 10.4
MWS2200025	2	10	200/0.25	65	1.85	7.6 x 13.4
MWS222403	2	16	224/0.3	84	1.17	8.6 x 15.5

\*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

# 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



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

# 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



Code	Voltage Rating	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C*	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
MBS111203	60V d.c.	8	96/0.32	74	2.50	5.75
MBS132002	60V d.c.	10	320/0.20	84	1.95	6.35
MBS122403	60V d.c.	16	224/0.30	110	1.24	7.80
MBS136403	60V d.c.	25	329/0.32	168	0.79	10.2
MBS145503	60V d.c.	32	399/0.32	188	0.62	10.3
MBS149403	60V d.c.	35	492/0.32	210	0.56	11.4
MBS172803	60V d.c.	50	708/0.30	56	0.39	13.20
MBS1100803	60V d.c.	70	1008/0.30	305	0.27	14.9
MBS1302402	60V d.c.	95	3040/0.30	360	0.21	15.9

\*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



# 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



Code	Nearest SAE (B&S) AWG	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C*	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
AUD17026	21 ½	0.37	7/0.26	10	50	1.7
AUD17032	20	0.56	7/0.32	13	32.7	1.9
AUD116026	18	0.85	16/0.26	17	22	2.1
AUD116032	16	1.29	16/0.32	20	14.3	2.4
AUD126032	14	2.09	26/0.32	31	8.8	2.9
AUD141032	12	3.30	41/0.32	42	5.5	3.55
AUD165032	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

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



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
ASC11603	1	1.13	14/0.32	20	16.5	2.2
ASC12603	1	1.84	23/0.32	28	10.1	2.6
ASC14103	1	2.90	36/0.32	37	6.4	3.0
ASC16503	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	



# 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



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C*	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
ATC37032	3	0.56	7/0.32	7	33.1	4.9
ATC31603	3	1.13	14/0.32	14	16.8	5.7
ATC47032	4	0.56	7/0.32	7	33.1	5.6
ATC42603	4	1.84	23/0.32	14	10.3	7.5
ATC57032	5	0.56	7/0.32	7	33.1	6.0
ATC5903	5	0.64	8/0.32	8	29.9	6.7
ATC51603	5	1.13	14/0.32	11	16.8	7.1
ATC52603	5	1.84	23/0.32	15	10.3	8.2
ATC77032	7	0.56	7/0.32	5	33.1	6.7
ATC7903	7	0.64	8/0.32	6	29.9	7.3
ATC71603	7	1.13	14/0.32	10	16.8	7.7
ATC72603	7	1.84	23/0.32	14	10.3	8.9
<b>Flat Trailer Cable</b>						
AWM519019	5	0.5	19/0.19	7	33.1	4.4 x 13.0
AWM719019	7	0.5	19/0.19	5	33.1	4.4 x 17.5
<b>Road Train – ADR 63 – Heavy Duty</b>						
ATH565032	5	5.22	65/0.32	30	3.6	14.7
ATH765032	6	5.22	65/0.32	28	3.6	16.5
ATH0845	6 + 1	1.13	14/0.32	20	16.5	7.80
ATH0845		2.00	26/0.32	31	8.8	11.5

\*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

# 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



Code	No. of Cores	Nominal Area (mm <sup>2</sup> )	Strand No. / Size	Amp Rating @ 30°C*	Electrical Resistance @ 20°C (Ω/KM)	Nominal OD
MTS32603	3	1.84	26/0.3	19	7.2	7.2
MTT51602	5	0.5	16/0.2	6	5.4	5.4
MTT53202	5	1	32/0.2	8	7.2	7.2
MTT71602	7	0.5	16/0.2	6	5.4	5.9
MTT73202	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