

# AUTOMOTIVE CABLE-SINGLE CORE

General purpose cables for automotive applications of low voltage/high amperage. See specifications section for more. Roll sizes marked with a red tick are available ex-stock and those with a black tick are available as special order.



## SINGLE CORE CABLE



- CA2** - 2mm auto / 6A / 0.64mm<sup>2</sup> / 20AWG
- CA3** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG
- CA4** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG
- CA5** - 5mm auto / 25A / 3.25mm<sup>2</sup> / 12AWG
- CA6** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG

Colours	30M	100M	500M
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓



## SINGLE CORE TRACE CABLE

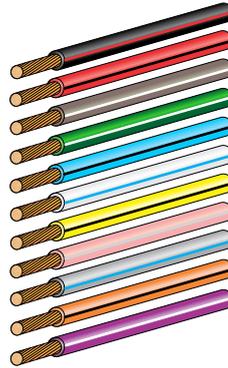
**CA3** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG

**CA4** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG

Trace colour

Core colour	Black	Blue	Brown	Green	Red	White	Pink	Grey	Yellow	Orange	Purple
Black				✓	✓	✓			✓		
Blue	✓			✓	✓	✓			✓	✓	✓
Brown	✓	✓		✓	✓	✓			✓	✓	✓
Green	✓			✓					✓	✓	✓
Red	✓	✓	✓	✓					✓	✓	✓
White	✓	✓	✓	✓	✓				✓	✓	✓
Pink	✓	✓	✓	✓	✓				✓	✓	✓
Grey	✓	✓	✓	✓	✓	✓			✓	✓	✓
Yellow	✓	✓	✓	✓	✓	✓					
Orange	✓			✓	✓				✓		
Purple	✓			✓	✓	✓			✓		

Supplied on 100m rolls



Trace colour

Core colour	Black	Blue	Brown	Green	Red	White	Pink	Grey	Yellow	Orange	Purple
Black				✓	✓				✓		
Blue	✓			✓	✓				✓		
Brown	✓	✓		✓	✓				✓		
Green	✓			✓					✓	✓	
Red	✓	✓	✓	✓					✓	✓	
White	✓	✓	✓	✓	✓				✓	✓	
Pink	✓	✓	✓	✓	✓				✓	✓	
Grey	✓	✓	✓	✓	✓	✓			✓	✓	
Yellow	✓	✓	✓	✓	✓	✓					
Orange	✓			✓	✓				✓		
Purple	✓			✓	✓	✓			✓		

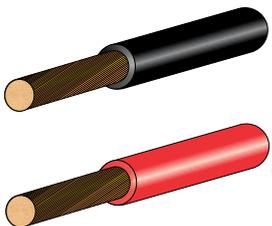
Supplied on 100m rolls



## BATTERY & STARTER (B&S) CABLE

Current ratings are for intermittent duty (5sec). See specifications section for more. Roll sizes ticked red are ex stock - black ticked sizes are special order

- C8B** - 8B&S / 90A / 7mm<sup>2</sup> / 8AWG. 5.5mm diameter
- C6B** - 6B&S / 140A / 15mm<sup>2</sup> / 6AWG. 7.3mm diameter
- C4B** - 4B&S / 170A / 20mm<sup>2</sup> / 4AWG. 8.8mm diameter
- C3B** - 3B&S / 200A / 23mm<sup>2</sup> / 3AWG. 10.2mm diameter
- C2B** - 2B&S / 240A / 33mm<sup>2</sup> / 2AWG. 11.2mm diameter
- C0B** - 0B&S / 300A / 50mm<sup>2</sup> / 0AWG. 13.0mm diameter
- C00B** - 00B&S / 360A / 65mm<sup>2</sup> / 2/0AWG. 16.6mm diameter
- C000B** - 000B&S / 420A / 83mm<sup>2</sup> / 3/0AWG. 17.6mm diameter



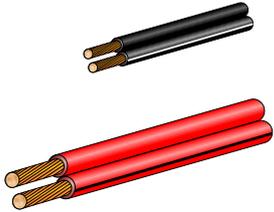
Colours	10M	30M	100M
		✓	✓
		✓	✓
		✓	✓
		✓	✓
		✓	✓
		✓	✓
	✓	✓	✓
		✓	✓

# AUTOMOTIVE CABLE

General purpose cables for automotive applications of low voltage/high amperage. See specifications section for more. Roll sizes marked with a red tick are available ex-stock and those with a black tick are available as special order.



## 'FIGURE-8' CABLE



**19514** - Speaker cable / 4A / 0.44mm<sup>2</sup> / 21AWG. 4.8 x 2.4mm

**C32** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG. 5.3 x 2.6mm

**C42** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 6.0 x 3.1mm

Colours	30M	100M	500M
		✓	✓
	✓	✓	✓
	✓	✓	✓



## SINGLE SHEATHED 'GAS' CABLE



**CA2G** - 2mm auto / 6A / 0.64mm<sup>2</sup> / 20AWG. 3.2mm diameter

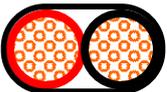
**CA3G** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG. 3.6mm diameter

**CA4G** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 4.1mm diameter

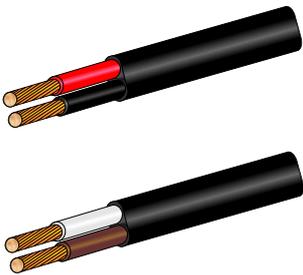
**CA5G** - 5mm auto / 25A / 3.25mm<sup>2</sup> / 12AWG. 5.1mm diameter

**CA6G** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG. 5.8mm diameter

Colours	30M	100M	500M
		✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓



## TWIN SHEATHED CABLE



**CA22** - 2mm auto / 6A / 0.64mm<sup>2</sup> / 20AWG. 5.6 x 3.2mm

**CA32** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG. 6.4 x 3.6mm

**CA42** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 7.2 x 4.1mm

**CA52** - 5mm auto / 25A / 3.25mm<sup>2</sup> / 12AWG. 9.0 x 5.1mm

**CA62** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG. 9.8 x 5.6mm

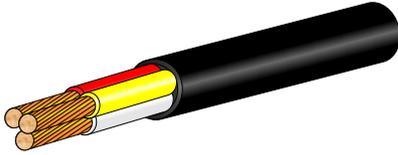
Colours	30M	100M	500M
		✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓

# AUTOMOTIVE TRAILER CABLE

General purpose cables for automotive applications of low voltage/high amperage. See specifications section for more. Roll sizes marked with a red tick are available ex-stock and those with a black tick are available as special order.



## 3 CORE TRAILER CABLE



**CA33** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG. 6.2mm diameter

**CA43** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 8.5mm diameter

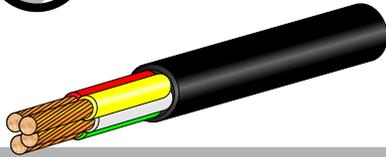
**CA63** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG. 15.1mm diameter

Core colours

30M	100M	500M
✓	✓	✓
✓	✓	✓
✓		



## 4 CORE TRAILER CABLE



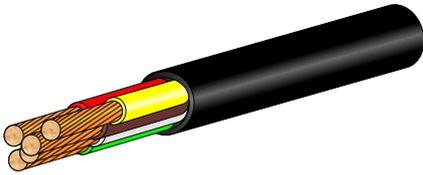
**CA34** - 3mm auto / 10A / 1.13mm<sup>2</sup> / 16AWG. 7.0mm diameter

Core colours

30M	100M	500M
✓	✓	✓



## 5 CORE TRAILER CABLE



**CA25** - 2.5mm auto / 6A / 0.64mm<sup>2</sup> / 20AWG. 6.9mm diameter

**CA35** - 3mm auto / 10A / 0.92mm<sup>2</sup> / 16AWG. 7.7mm diameter

**CA45** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 9.3mm diameter

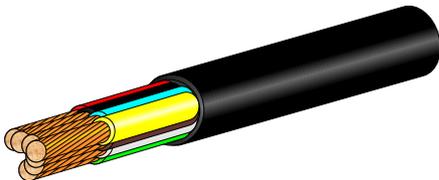
**CA65** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG. 13.6mm diameter

Core colours

30M	100M	500M
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓



## 7 CORE TRAILER CABLE



**CA27** - 2.5mm auto / 6A / 0.64mm<sup>2</sup> / 20AWG. 7.6mm diameter

**CA37** - 3mm auto / 10A / 0.92mm<sup>2</sup> / 16AWG. 8.5mm diameter

**CA47** - 4mm auto / 15A / 1.84mm<sup>2</sup> / 14AWG. 10.5mm diameter

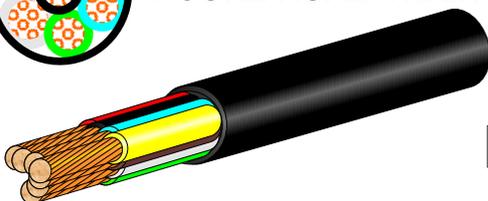
**CA67** - 6mm auto / 50A / 4.65mm<sup>2</sup> / 10AWG. 17.0mm diameter

Core colours

30M	100M	500M
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓



## 7 CORE ROAD-TRAIN (COMPOSITE) TRAILER CABLE



**19602** - 6x5mm auto (25A), 1x6mm auto (50A) / 15.6mm diameter

Core colours

100M	500M
✓	✓

# SPECIALTY CABLE

General purpose cables for automotive applications of low voltage/high amperage. See specifications section for more. Roll sizes marked with a red tick are available ex-stock and those with a black tick are available as special order.



## COAXIAL RF CABLE



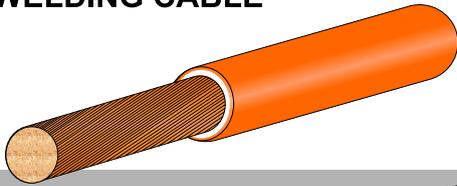
**19058** - RG58C/U / 50ohm. Stranded core. 90% braided screen.

**19059** - RG59B/U / 75ohm. Solid core. 96% braided screen.

100M	500M
✓	✓
✓	✓



## WELDING CABLE



**19070** - 70mm<sup>2</sup> / 310A (100% duty) - 560A (30% duty)

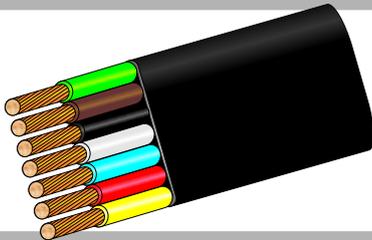
**19095** - 95mm<sup>2</sup> / 375A (100% duty) - 685A (30% duty)

10M 50M

10M	50M
✓	✓
✓	✓



## FLAT CABLE



**CA27F** - 2mm auto / 8A / 0.64mm<sup>2</sup> / 20 x 4.53mm

10M 100M

✓	✓
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Core colours

## CABLE SPECIFICATIONS

### Single, sheathed, figure-8 cable:

Conductor: plain annealed copper.  
Sheath: PVC V75  
Voltage: 100VDC or 32VAC max.  
Standards: meets AS2218

### Marine cable:

Conductor: tinned annealed copper.  
Sheath: PVC V75  
Voltage: 100VDC or 32VAC max.  
Standards: AS1125 (conductor) AS3147 (PVC)

### Battery (B&S) cable:

Conductor: plain annealed copper.  
Sheath: PVC V75  
Voltage: 100VDC or 32VAC max.  
Standards: AS3147

### Electric 'suzi-coil' cable:

Conductor: plain annealed copper.  
Outer sheath: Nylon  
Sheath: PVC V75  
Voltage: 100VDC or 32VAC max.  
Standards: meets AS2218

### Coaxial cable:

Conductor: plain annealed copper.  
Braid: RG58C/U - tinned annealed copper  
Braid: RG59B/U - plain annealed copper  
Sheath: PVC V75  
Dielectric: Solid polyethylene  
Standards: AS1125 (conductor) AS3147 (PVC)

### Welding cable:

Conductor: plain annealed copper.  
Sheath: Nitrile-Butadiene rubber  
Inner sheath: PVC Copolymer  
Conductor temp. 90°C max.  
Voltage: 100VDC or 32VAC max.  
Standards: International & AS3147

### Current ratings:

Heat is a bi-product of current. The following factors all need to be considered when choosing cable for any application:  
- Conductor cross-section (current capacity) - Length of the cable used (voltage drop) - Material of the conductor (conductivity) - Adjacent cores (heat buildup)  
- Duty cycle. The amount of time energised (%) versus the time de-energised (heat dissipation)  
Other variables such as terminations (point resistance) and the age of the cable (oxidisation) should also be taken into consideration.  
Specifications and examples below are for unterminated, new cable alone.

Voltage drop & test load comparison

Auto cable size	Voltage drop /amp/Mtr (V)	Test load (A)	Residual voltage at load (12v supply)	
			@15M(V)	@30M(V)
2mm	0.02930	2	11.3	10.1
2.5mm	0.02290	4	10.8	9.26
3mm	0.01640	6	10.7	9.4
4mm	0.01015	15	10.0	8.0
5mm	0.00560	20	10.3	8.6
6mm	0.00393	25	10.7	9.4
8B&S	0.00241	45	10.4	8.8
6B&S	0.00121	80	10.6	9.1
3B&S	0.00067	100	10.9	9.8
2B&S	0.00050	120	11.0	10.1
0B&S	0.00035	150	11.1	10.3
00B&S	0.00025	180	11.3	10.5

Continuous duty ratings - single & multi-core cable

Auto cable size	Continuous duty rating single core (A)	Continuous duty rating multi-core (A)
2mm	3	2
2.5mm	8	5
3mm	10	6
4mm	15	10
5mm	25	15
6mm	40	18

Continuous duty ratings - Battery (B&S) cable

B&S cable size	(A)
8B&S	45
6B&S	70
3B&S	100
2B&S	120
0B&S	150
00B&S	180

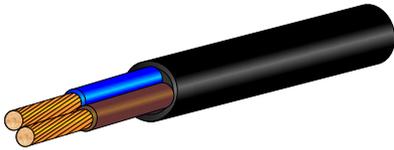
Note: These figures are nominal only. In certain applications, factors derating the cable further will apply. Battery cable continuous ratings are nominal for 5 minute cycles.

# AC CABLE

General purpose cables for mains (240VAC) connection. Sheathes are available in standard or heavy duty thicknesses. Other sheath colours to order. All products meet relevant Australian Standards. Roll sizes marked with a red tick are available ex-stock and those with a black tick are available as special order.



## 2 CORE CIRCULAR FLEX



**F2075** - 7.5A / 0.75mm<sup>2</sup> / 19.5AWG. 6.2mm diameter

**F2010** - 10A / 1.00mm<sup>2</sup> / 17AWG. 6.7mm diameter

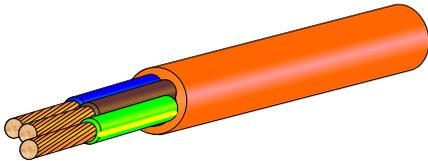
100M 500M

✓	✓
✓	✓

Core colours  Black outer sheath - other colours to order



## 3 CORE CIRCULAR FLEX



**F3075** - 7.5A / 0.75mm<sup>2</sup> / 19.5AWG. 6.8mm diameter

**F3010** - 10A / 1.00mm<sup>2</sup> / 17AWG. 7mm diameter

**F3010HD** - 10A / 1.00mm<sup>2</sup> / 17AWG. 9mm diameter

**F3015** - 15A / 1.50mm<sup>2</sup> / 16.5AWG. 8.1mm diameter

**F3015HD** - 15A / 1.50mm<sup>2</sup> / 16.5AWG. 10mm diameter

100M 500M

✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

Core colours  Orange outer sheath - other colours to order  
HD = Heavy duty (thicker) sheath



**438**

3 pin 240VAC extension socket



**439**

3 pin 240VAC line plug