

# Automotive Cables

**Application:** General purpose cables for automotive applications.  
**Conductor:** Plain Annealed Copper  
**Insulation:** PVC V75  
**Sheath:** PVC 4V-75  
**Voltage:** 100V DC or 32V AC  
**Standards:** AS2218  
**Greenstar:** Approved  
**Drum Sizes:** 30m, 100m

Single Core, Figure 8, and High Tension Cables - For low voltage high amperage wiring

ELECTRA Part Number	Nom. Area mm <sup>2</sup>	MM Industry Equivalent***	O.D.	Insulation Thickness	Cont. Duty (Amps)**	Voltage Drop	Load (Amps)
ECA2	0.64	2	2.20	0.5	6	0.02930	2.0
ECA3	1.13	3	2.60	0.6	10	0.01640	6.0
ECA4	1.85	4	3.10	0.6	15	0.01015	15.0
ECA5	3.25	5	3.80	0.7	25	0.00560	20.0
ECA6	4.65	6	4.40	0.8	34	0.00393	25.0
ECA7*	1.13	7	7.00	2.7	10	0.01640	6.0
Figure 8							
SEC2840	0.44	2	3.80	0.7	25	0.00560	20.0
ECA32	1.13	3	4.40	0.8	34	0.00393	25.0
ECA42	1.85	4	7.00	2.7	10	0.01640	6.0

\*O.D.  $\pm 10\%$ , O.D., Insulation Thickness = mm

\*ECA7 is a High Tension Automotive cable used in ignition applications.

\*\* Duty Amps specified and nominated only. Derating factors will have to be applied in certain installations

\*\*\* MM is an industry term that identifies cable size is not conductor cross section area.

ELECTRA Part Number	SHEATH COLOURS
ECA2-ECA4	Black, Blue, Brown, Green, Red, White, Pink, Grey, Yellow, Orange, Purple
ECA5, ECA6	Black, Blue, Brown, Green, Red, White, Grey, yellow, Orange
ECA32, ECA42	Red/Black, Blue/White, Brown/White, Green/Black
ECA7	Black, Red
SEC2840	Assorted colours c/w Trace

Note: Variations to above cables can be manufactured according to the customer's specifications.

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Single Core, Double Insulated - For Gas Conversions

Core Colours - Red, Sheath Colours -Black

ELECTRA Part Number	Nom. Area mm²	MM Industry Equivalent**	O.D.	Insulation Thickness	Amp Rating at 30°C
ECA21	0.64	2	3.20	0.5	5
ECA31	1.13	3	3.60	0.6	9
ECA41	1.85	4	4.10	0.6	14
ECA51	3.25	5	5.10	0.7	24
ECA61	4..65	6	5.80	0.8	33

\* O.D. ± 10% , O.D., Insulation Thickness = mm

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Double Insulated Twin Sheath - Trailer Wiring

Core Colours: Red & Black, Sheath Colour - Black

ELECTRA Part Number	Nom. Area mm²	MM Industry Equivalent**	O.D.	Insulation Thickness	Sheath Thickness	Amp Rating at 30°C
ECA221	0.64	2	3.2 x 5.6	0.5	0.6	5
ECA321	1.13	3	3.6 x 6.4	0.6	0.6	9
ECA421	1.85	4	4.1 x 7.2	0.6	0.6	14
ECA521	3.25	5	5.1 x 9.0	0.7	0.6	24
ECA621	4.65	6	5.6 x 9.8	0.8	0.6	33

\* O.D. ± 10% , O.D., Insulation Thickness = mm

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Note: Variations to above cables can be manufactured according to the customer's specifications

Multi-Core Cable, Trailer Cables - Caravan, Road Train and Trailer Wiring

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

ELECTRA Part Number	Nom. Area mm²	MM Industry Equivalent**	O.D.	Insulation Thickness	Sheath Thickness	Amp Rating at 30°C
ECA25	0.64	2	7.0	0.5	0.5	4
ECA27	0.64	2	7.6	0.5	0.5	3
ECA33	0.92	3	6.2	0.6	0.6	8
ECA34	0.92	3	7.0	0.6	0.6	7.5
ECA35	0.92	3	7.7	0.6	0.6	7
ECA37	0.92	3	8.5	0.6	0.6	6.5
ECA45	1.85	4	9.3	0.6	0.6	14
ECA47	1.85	4	10.5	0.6	0.6	13
ECA55	3.25	5	11.1	0.6	0.6	25
ECA65	5.23	6	12.9	0.6	0.6	36
ECA67	5.23	6	14.6	0.6	0.8	35
ECAF27	0.8	N/A	FLAT	0.5	1.0	7

\* O.D. ± 10% , O.D., Insulation Thickness = mm

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