

Automotive Cable

Application: General purpose cables for automotive applications.

Conductor: Plain Annealed Copper wire

Insulation: PVC V75

Sheath: PVC V75

Voltage: 100V DC or 32V AC

Standard: AS2218

Pack Length: 30, 100m, 500m

CAUTION
Extra Low Voltage – Should NOT be
connected to mains power supply

Single Core, Figure 8 & High Tension – For low voltage high amperage wiring

Typical Features:

Electra Cables Part No.	Nom. area mm ²	a.) MM Industry Equiv.	Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Cont. Duty Amps#	Voltage Drop amp/meter A/m	Load Amps
ECA2	0.64	2	9/0.30	2.2	0.5	3	0.0293	2
ECA3	1.13	3	16/0.30	2.6	0.6	10	0.0164	6
ECA4	1.85	4	26/0.30	3.1	0.6	15	0.01015	15
ECA5	3.25	5	41/0.32	3.8	0.7	25	0.0056	20
ECA6	4.65	6	37/0.40	4.4	0.8	40	0.00393	25
ECA7*	1.13	7	16/0.30	7.0	2.7	10	0.0164	6
Figure 8								
ECA2840	0.44	2	2x14/0.20	4.8x2.4	0.7	-	-	-
ECA32	1.13	3	2x16/0.30	5.3x2.6	0.6	6	0.0164	6
ECA42	1.85	4	2x26/0.30	6.0x3.1	0.6	10	0.01015	15

- * ECA7 is a high tension automotive cable, used in ignition.
- # Duty amps specified are nominal only; derating factors will have to be applied in certain installations.

Code	Sheath Colour
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
ECA2840	Assorted colors with a trace

Note: Other types or other lengths of the above cables can be manufactured according to customers' specifications.



Single Core Double Insulated – For Gas Conversions

Core Colours: Red

Sheath Colour: Black

Packing Length: 30, 100, 500, Bulk

Typical Features:

Electra Cables Part No.	Nom. area mm ²	a.) MM Industry Equiv.	Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm	#Amp Rating at 30°C	Maximum Resistance at 20°C Ω/Km
ECA21	0.64	2	9/0.30	3.2	0.5	0.5	6	30
ECA31	1.13	3	16/0.30	3.6	0.6	0.6	20	16.5
ECA41	1.85	4	26/0.30	4.1	0.6	0.6	28	10.15
ECA51	3.80	5	41/0.32	5.1	0.7	0.7	37	6.4
ECA61	4.35	6	37/0.40	5.8	0.8	0.8	48	4.1

Double Insulated Twin Sheath – Trailer Wiring

Core Colours: Red and Black

Sheath Colour: Black

Packing Length: 30, 100, 500, Bulk

Typical Features:

Electra Cables Part No.	Nom. area mm ²	a.) MM Industry Equiv.	Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm	#Amp Rating at 30°C	Maximum Resistance at 20°C Ω/Km
ECA221	0.64	2	9/0.30	3.2x5.6	0.5	0.6	6	30
ECA321	1.13	3	16/0.30	3.6x6.4	0.6	0.6	20	16.5
ECA421	1.85	4	26/0.30	4.1x7.2	0.6	0.6	28	10.15
ECA521	3.25	5	41/0.32	5.1x9.0	0.7	0.6	37	6.4
ECA621	4.65	6	37/0.40	5.6x9.8	0.8	0.6	48	4.1

- ECA221, ECA321 and ECA421 core colors are also available in Brown and White.

Note: Other types or other lengths of the above cables can be manufactured according to customers' specifications.





Multi Core, Trailer Cables – Caravan, Road Train and Trailer Wiring

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

Sheath Colour: Black

Packing Length: 30, 100, 500, Bulk

Typical Features:

Electra Cables Part No.	Nom. area mm ²	a.) MM Industry Equiv.	No. of Cores Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm	#Amp Rating at 30°C	Maximum Resistance at 20°C Ω/Km
ECA25	0.64	2	5x9/0.30	7.0	0.5	0.6	7	31.9
ECA27	0.64	2	7x9/0.30	7.6	0.5	0.6	6	31.9
ECA33	0.92	3	3x16/0.30	6.2	0.6	0.6	14	16.8
ECA34	0.92	3	4x16/0.30	7.0	0.6	0.6	15	16.8
ECA35	0.92	3	5x16/0.30	7.7	0.6	0.6	11	16.8
ECA37	0.92	3	7x16/0.30	8.5	0.6	0.6	10	16.8
ECA45	1.84	4	5x26/0.30	9.3	0.6	0.6	15	10.3
ECA47	1.84	4	7x26/0.30	10.5	0.6	0.6	14	10.3
ECA55	3.3	5	5x41/0.32	11.0	0.6	0.6	41	5.6
ECA65	4.65	6	5x37/0.40	13.6	0.6	0.6	55	3.43
ECA67	4.65	6	7x37/0.40	17.0	0.6	0.8	55	3.43
ECAF27	-	-	7x16/0.25	Flat	0.5	1.0	5	33.1
X7Core-Auto - NO1	-	-	1x41/0.32 6x26/0.30	13.0	0.8	1.25	-	-
X7Core-Auto – NO2	-	-	1x37/0.40 6x41/0.32	15.6	0.8	1.25	-	-

Note: Other types or other lengths of the above cables can be manufactured according to customers' specifications.



Multi Core, Suzi Coils

Core Colours: 5 Core – White, yellow, red, green and Brown

7 Core – White, yellow, red, green, Brown, Blue and Black

Sheath Colours: Black

Typical Features:

Electra Cables Part No.	Nom. area mm ²	No. of Cores	Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Sheath Thickness mm	Continuous Duty Amps	Packing Length m
ECO37-5	0.92	7	13/0.30	8.4	0.6	0.6	5	5
ECO37-6*	0.92	7	13/0.30	8.4	0.6	0.6	5	6
ECO45-5	1.84	5	26/0.30	8.8	0.6	0.8	10	5
ECO47-5	1.84	7	26/0.30	11.5	0.6	0.8	10	5
ECO47-6*	1.84	7	26/0.30	11.5	0.6	0.8	10	6
ECO65-6*	5.22	5	65/0.32	13.6	0.6	0.8	-	6
ECO67-6*	5.22	7	65/0.32	15	0.6	0.8	-	6
ECO1 -6*	-	1	41/0.32	15	0.8	1.25	15	6
		6	26/0.30				10	
ECO2 -6*	-	1	37/0.40	17.6	0.8	1.50	18	6
		6	41/0.32				15	

- * Standard Suzi coils with a 1 meter tail on one end.

Note: Other types or other lengths of the above cables can be manufactured according to customers' specifications.



Battery Cable

Application: For General purpose automotive cables from battery to starter motor.

Core Colours: Red and Black

Sheath Colour: Black

Packing Length: 30, Bulk

Typical Features (Battery Cable):

Electra Cables Part No.	Nom. area mm ²	Stranding No./mm	Nom. O/D. mm	Insulation Thickness mm	Continuous Duty Amps **	Residual voltage at Equipment terminate on 12 volt system	
						15m (V)	30m (V)
EBS8	7	100/0.30	5.6	0.9	45	10.4	8.8
EBS6	15	218/0.30	7.8	1.1	70	10.6	9.1
EBS4	20	285/0.30	8.8	1.1	85	10.7	9.5
EBS3	23	325/0.30	10.2	1.1	100	10.9	9.8
EBS2	33	460/0.30	11.5	1.7	120	11.1	10.1
EBS1	41	323/0.40	12.5	1.7	130	11.0	10.0
EBS0	50	400/0.40	13.5	1.7	150	11.1	10.3
EBS00	65	520/0.40	15.2	1.7	180	11.3	10.5
EBS000	83	663/0.40	17.2	2.0	210	11.5	10.7
EBS0000	100	798/0.40	18.4	2.0	240	11.7	10.9

- ** Duty amps specified are nominal only at 60% duty cycle over 5 minutes; derating factors will have to be applied in certain installations. For intermittent duty, the battery cable will carry 200% of its rated ampere capacity.

Note: a.) MM is an industry term that identifies cable size and is not CONDUCTOR CROSS SECTION AREA

Note: Other types or other lengths of the above cables can be manufactured according to customers' specifications.