

Automotive Cables



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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 and must not be connected to mains power supplies.
Standards:	AS/NZS 1125 (Conductor) and AS/NZS 3808 (PVC)
Packing Length:	30m, 100m, 500m



Typical Features (Single core, High tension):

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 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	2.7	10	0.0164	6

* ECA7 is a high tension automotive cable, used in ignition.

Typical Features (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

Duty amps specified are nominal only ¼ derating factors will have to be applied in certain installations.

Electra Cables Part No.	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

Typical Features (Single Core Double Insulated For Gas Conversions)

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	Max. Cond.DC. Resistance @ 30°C ©/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	3.8	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

Sheath Colour:

Black

Packing Length:

30m, 100m, 500m

Typical Features (Trailer Wiring)

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	Max. Cond.DC. Resistance @ 30°C ©/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

Sheath Colour:

Black

Core Colours:

Red and Black (ECA221, ECA321, ECA421 are also available in Brown and White).

Packing Length: 30m, 100m, 500m

Typical Features (Multi Core, Trailer Cables Caravan, Road Train and Trailer Wiring)

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	Max. Cond.DC. Resistance @ 30°C @/km
ECA25	0.64	2	5x9/0.30	7	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	3x13/0.30	6.2	0.6	0.6	14	16.8
ECA34	0.92	3	4x13/0.30	7	0.6	0.6	15	16.8
ECA35	0.92	3	5x13/0.30	7.7	0.6	0.6	11	16.8
ECA37	0.92	3	7x13/0.30	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	11.1	0.6	0.6	41	5.6
ECA65	5.23	6	5x65/0.32	12.9	0.6	0.6	55	3.43
ECA67	5.23	6	7x65/0.32	14.6	0.6	0.8	55	3.43
ECAF27	-	-	7x16/0.25	Flat	0.5	1	5	33.1
X7Core-	3.2+	-	1x41/0.32	13	0.7	1.25	15	5.28,
Auto-No1	6x2.0	-	6x26/0.30		0.6			8.32
X7Core-	5.2+	-	1x65/0.32	15.6	0.8	1.25	18	3.74,
Auto o2	6x3.2	-	6x41/0.32		0.7			5.28
No of cores:		Core Colour:						Sheath colour
3 Core		1.White 2.Yellow 3.Red						Black
4 Core		1.White 2.Yellow 3.Red 4.Green						Black
5 Core		1.White 2.Yellow 3.Red 4.Green 5.Brown						Black
7 Core		1.White 2.Yellow 3.Red 4.Green 5.Brown 6.Blue 7.Black						Black

Typical Typical Features (Suzi Coils):

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	9.3	0.6	0.6	5	5
ECO37-6*	0.92	7	13/0.30	9.3	0.6	0.6	5	6
ECO45-5	1.84	5	26/0.30	10	0.6	0.8	10	5
ECO47-5	1.84	7	26/0.30	11	0.6	0.8	10	5
ECO47-6*	1.84	7	26/0.30	11	0.6	0.8	10	6
ECO65-6*	5.22	5	65/0.32	15.2	0.6	0.8	-	6
ECO67-6*	5.22	7	65/0.32	16.6	0.6	0.8	-	6
ECO1 -6*	3.2+	1	41/0.32	15	0.7	1.5	15	6
	1.8	6	26/0.30		0.6		10	
ECO2 -6*	5.2+	1	65/0.32	17.6	0.8	1.5	18	6
	3.2	6	41/0.32		0.7		15	

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

No of cores:	Core Colour:	Sheath colour
5 Core	1.White 2.Yellow 3.Red 4.Green 5.Brown	Black
7 Core	1.White 2.Yellow 3.Red 4.Green 5.Brown 6.Blue 7.Black	Black

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