

Application

- ✓ Low-tension electric wire for automobiles.
- ✓ Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Product Construction

- ✓ Conductor : Annealed plain flexible copper
Conductor construction according to ISO 6722-1 Symmetrical (Structure-A)
- ✓ Insulation : ETFE (Ethylene tetrafluoroethylene) with properties according to ISO 6722-1 Class E
- ✓ Colour : As per customer order.
- ✓ Single core

Technical Data

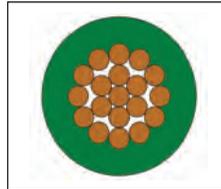
- ✓ Temperature Range : - 65°C to +180°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ Standard : ISO 6722-1 Class E (Thin Wall) LV 112-1

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Good mechanical & thermal properties
- ✓ Excellent chemical resistance
- ✓ Extra flexibility.

Automotive Cables **Auto 180E-A FLR7Y-A**

2D View



Approvals	Accreditations	Certifications

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Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		Current Carrying Capacity	Max. Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
84605XX*	0.35	7	0.27	0.90	0.25	1.3	6	14	54.4	1000
84606XX	0.5	19	0.19	1.10	0.28	1.6	8	18	37.1	1000
84608XX	0.75	19	0.24	1.30	0.30	1.9	12	23	24.7	1000
84610XX	1	19	0.27	1.50	0.30	2.1	14	28	18.5	1000
84613XX	1.5	19	0.33	1.80	0.30	2.4	20	36	12.7	1000
84616XX	2.5	19	0.41	2.20	0.35	3.0	31	50	7.60	1000
84619XX	4	37	0.38	2.80	0.40	3.7	43	64	4.71	1000
84623XX	6	37	0.45	3.40	0.40	4.3	63	83	3.14	1000

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 180°C and ambient air temperature of 40°C.]

- ✓ * Other length as per Customer order.

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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