



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
- ✓ 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 Class E (Thin Wall) LV 112-1

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Extra flexibility.

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

Approvals	Accreditations	Certifications

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
84705XX*	0.35	12	0.21	0.90	0.25	1.40	6	14	54.4	1000
84706XX	0.5	16	0.21	1.10	0.28	1.60	8	18	37.1	1000
84708XX	0.75	24	0.21	1.30	0.30	1.90	12	23	24.7	1000
84710XX	1	32	0.21	1.50	0.30	2.10	14	28	18.5	1000
84713XX	1.5	30	0.26	1.80	0.30	2.40	19	36	12.7	1000
84716XX	2.5	50	0.26	2.20	0.30	3.00	31	50	7.60	1000
84719XX	4	56	0.31	2.80	0.40	3.70	50	69	4.71	1000
84723XX	6	84	0.31	3.40	0.40	4.30	71	91	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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