

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 : Soft-annealed electrolytic copper E-Cu ETP1 according to DIN 13602, bare or tinned. Conductor construction according to DIN 72551, Part 6, type B and ISO 6722-1.
- ✓ Insulation : Plasticized PVC with properties according to DIN 72551 and ISO 6722-1, Class B, Lead free.
- ✓ Colour : As per customer order.

Technical Data

- ✓ Temperature Range : - 40°C to +105°C (3000 Hours)
- ✓ Standard : DIN 72551 - 6
BMW GS 95007-1
Ford WSK 1A348-A2
FIAT 91107/13
- ✓ Test Voltage : 3KV i.e <0.5mm²
5KV i.e >0.5mm²
- ✓ FL : Automotive cable, low voltage
- ✓ R : Reduced insulation wall thickness
- ✓ Y : PVC
- ✓ Type B: Flexible Conductor
- ✓ Conductor Resistance:IEC 60228/BS 6360

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel
- ✓ Flexible conductors with thin wall insulation for extra flexibility.

Automotive Cables **FLRY-B**

2D View



Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable			Conductor Resistance at 20°C Max.		Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Nom.		Overall Diameter		Weight Approx.	Bare	Tinned		
						Min.	Max.					
	mm ²	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	Amps	mtrs
81805XX*	0.35	12	0.21	0.9	0.20	1.20	1.40	5	52.0	54.5	11	500
81806XX	0.5	16	0.21	1.0	0.22	1.40	1.60	6	37.1	38.2	13	500
81808XX	0.75	24	0.21	1.20	0.24	1.70	1.90	9	24.7	25.4	17	500
81810XX	1	32	0.21	1.35	0.24	1.90	2.10	12	18.5	19.1	21	500
81813XX	1.5	30	0.26	1.70	0.24	2.20	2.40	17	12.7	13.0	27	500
81816XX	2.5	50	0.26	2.20	0.28	2.70	3.00	28	7.6	7.08	38	500
81819XX	4	56	0.31	2.75	0.32	3.40	3.70	43	4.7	4.08	52	500
81821XX	5	65	0.33	3.10	0.32	3.90	4.20	53	3.94	4.02	57	500
81823XX	6	84	0.31	3.30	0.32	4.00	4.30	63	3.1	3.02	67	500

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	Black-White - D126

- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 105°C and ambient air temperature of 40°C.
- ✓ Part Number given is for Bare copper, the letter 'T' should be added for tinned copper (eg T81805XX).
- ✓ * 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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