

**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 conductor
- ✓ Insulation : FL11Y- TPE-U (Thermoplastic polyurethane elastomer) according to ISO 6722, Class B.
- ✓ FL91Y: TPE-O (thermoplastic polyolefin elastomer) according to ISO 6722,Class C.
- ✓ Colour : As per customer order.
- ✓ Single core

**Technical Data**

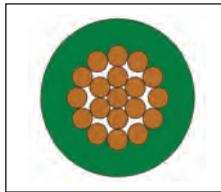
- ✓ Temperature Range :
  - 40°C to + 110°C (3000 Hours) - FL11Y
  - 40°C to + 125°C (3000 Hours) - FL91Y
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm<sup>2</sup>  
5kV (r.m.s.) for cables ≥ 0.5 mm<sup>2</sup>
- ✓ FL : Automotive cable
- ✓ 91Y : TPE-O
- ✓ FL : Automotive cable
- ✓ 11Y : TPE-U
- ✓ Standard : ISO 6722, Class C

**Features**

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.

**Automotive Cables** FL91Y - FL11Y

**2D View**



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 Nom.		Overall Diameter Max.	Weight Approx.	FL91Y	FL11Y		
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Amps	Amps	Ω/km	mtrs
85223XX*	6	84	0.31	3.3	0.80	5.0	73	77	72	3.14	500
85227XX	10	80	0.41	4.5	1.00	6.5	120	110	102	1.82	500
85228XX	16	126	0.41	6.3	1.00	8.3	177	148	137	1.16	500
85230XX	25	196	0.41	7.8	1.30	10.4	275	195	181	0.743	500
85232XX	35	276	0.41	9.0	1.30	11.6	373	238	220	0.527	500
85234XX	50	396	0.41	10.5	1.50	13.5	535	294	273	0.368	500
85237XX	70	360	0.51	12.5	1.50	15.5	725	362	336	0.259	500
85238XX	95	475	0.51	14.8	1.60	18.0	970	429	398	0.196	500
85241XX	120	608	0.51	16.5	1.60	19.7	1205	493	457	0.153	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	

- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 110°C and ambient air temperature of 40°C.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 125°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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