

### Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

### Features

- ✓ Flame retardant.
- ✓ RoHS.
- ✓ Electron Beam Cross-Linked.
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ Light weight
- ✓ Excellent resistance to oil and flame.

### Product Construction

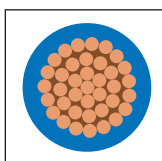
- ✓ Conductor : Stranded Copper alloy, CuMg 0.2 alloy; IACS 75% Mg content (0.2 ±0.06%), (Symmetrical Structure A).
- ✓ Insulation : Plasticized PVC, (Reduced wall thickness).
- ✓ Colour : As per customer order.

### Technical Data

- ✓ Temperature Range : -40°C to 105°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5 x Cable OD (Static).
- ✓ FL : Automotive Cable.
- ✓ CuMg02 : Copper alloys.
- ✓ R: Reduced wall thickness.
- ✓ Y : Soft PVC.
- ✓ Standard : ISO 19642-5, LV 112-4.

**Automotive  
Cables**
**FLCuMg02RY**

### 2D View



### Approvals Accreditations Certifications



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Part Number	Conductor Construction				Insulation Wall Thickness Min.	Cable Overall Diameter		Weight Approx.	Max. Conductor Resistance at 20°C	Current Carrying Capacity	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Min.	Max.				
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
D48601XX*	0.13	7	0.16	0.55	0.20	0.95	1.05	2.0	136	5	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	

Note :

- ✓ \*Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 105°C and ambient air temperature of 40°C.
- \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.


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