

## 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.
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ RoHS.

## Product Construction

- ✓ Conductor : Bare copper conductor, Symmetrical Structure A.
- ✓ Insulation : Perfluoroalkoxy copolymer (PFA), (Reduced wall thickness).
- ✓ Color : As per customer order.

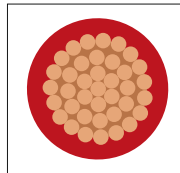
## Technical Data

- ✓ Temperature Range : -40°C to 200°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5xCable OD.
- ✓ FL : Automotive cables.
- ✓ R : Reduced wall thickness.
- ✓ 51Y : Perfluoroalkoxy copolymer (PFA).
- ✓ Standard: ISO 19642-3.

Automotive  
Cables

FLR51Y-A

## 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
D27805XX	0.35	7	0.27	0.90	0.20	1.20	1.40	5	54.4	12	500
D27806XX	0.50	19	0.19	1.10	0.22	1.40	1.60	7	37.1	18	500
D27808XX	0.75	19	0.24	1.30	0.24	1.70	1.90	9	24.7	24	500
D27810XX	1.00	19	0.27	1.50	0.24	1.90	2.10	13	18.5	29	500
D27813XX	1.50	19	0.33	1.80	0.24	2.20	2.40	17	12.7	37	500
D27816XX	2.50	37	0.30	2.20	0.28	2.70	3.00	28	7.60	52	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	

- ✓ \* Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 200°C and ambient 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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