

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.

Product Construction

- ✓ Conductor : Annealed Bare Copper Conductor, (Symmetrical Structure A).
- ✓ Insulation : TPE-S (Reduced Wall thickness).
- ✓ Colour : As per customer order.

Technical Data

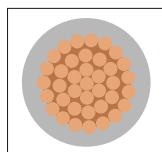
- ✓ Temperature Range : -40°C to 125°C / 3000hrs
- ✓ Voltage : 60V
- ✓ Min. bending radius : 5xCable OD
- ✓ Standard: ISO 6722-1, LV 112-1
- ✓ FL: Automotive cable
- ✓ R: Reduced wall thickness
- ✓ 31Y: TPE- S

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ Electron beam cross linked.
- ✓ RoHS.

**Automotive
Cables**
FLR31Y - A

2D View



Approvals Accreditations Certifications



Part Number	Conductor Construction				Insulation Wall Thickness Min.	Cable Overall Diameter		Weight Approx. kg/km	Max. Conductor Resistance at 20°C Ω/km	Current Carrying Capacity Amps	Standard Length* mtrs
	Nominal Cross-Section mm ²	No. of Strands nos.	Diameter of Single wire Max. mm	Conductor Diameter Max. mm		Min. mm	Max. mm				
D18205XX	0.35	7	0.27	0.90	0.20	1.2	1.4	5	54.4	12	500
D18206XX	0.50	19	0.19	1.10	0.22	1.4	1.6	6	37.1	15	500
D18208XX	0.75	19	0.24	1.30	0.24	1.7	1.9	9	24.7	19	500
D18210XX	1.00	19	0.27	1.50	0.24	1.9	2.1	12	18.5	24	500
D18213XX	1.50	19	0.33	1.80	0.24	2.2	2.4	20	12.7	30	500
D18216XX	2.50	37	0.28	2.20	0.28	2.7	3.0	28	7.60	42	500
D18219XX	4.00	37	0.38	2.80	0.32	3.4	3.7	44	4.71	58	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 125°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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