

### 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 requiring heat resistance

### Product Construction

- ✓ Conductor : Soft / Annealed Plain Copper according to ASTM B3
- ✓ Optional : Tinned Copper Conductor
- ✓ Insulation : Electron Beam Cross Linked Polyolefin
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722-1, Class D (Thin wall)
- ✓ Single core, Single layer insulation

### Technical Data

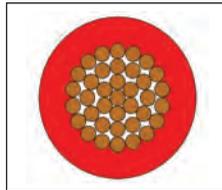
- ✓ Temperature Range: - 40°C to +150°C (3000 Hours).
- ✓ Standard : ISO 6722-1 Class D (Thin wall)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm<sup>2</sup>  
5kV (r.m.s.) for cables ≥ 0.5 mm<sup>2</sup>

### Features

- ✓ Unilay conductor PVC
- ✓ Thin wall insulation
- ✓ Saving of insulation material, resulting in substantial weight reduction
- ✓ Heat resistance
- ✓ Halogen free

Automotive Cables **FLR91X-A**

### 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 Max.		Overall Diameter Max.	Weight Approx.			
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A81405XX*	0.35	7	0.27	0.90	0.25	1.30	5	12	54.4	2000
A81406XX	0.50	19	0.19	1.10	0.28	1.60	6	16	37.1	2000
A81408XX	0.75	19	0.24	1.30	0.30	1.90	9	22	24.7	2000
A81410XX	1	19	0.27	1.50	0.30	2.10	12	26	18.5	2000
A81413XX	1.5	19	0.33	1.80	0.30	2.40	17	33	12.7	2000
A81414XX	2	19	0.38	2.00	0.35	2.80	23	41	9.42	2000
A81416XX	2.5	37	0.28	2.20	0.35	3.00	26	46	7.60	2000
A81417XX	3	37	0.34	2.40	0.40	3.40	34	54	6.15	1000
A81419XX	4	37	0.38	2.80	0.40	3.70	42	64	4.71	1000
A81421XX	5	37	0.43	3.10	0.40	4.20	53	72	3.94	1000
A81423XX	6	37	0.45	3.40	0.40	4.30	60	82	3.14	1000
A81427XX	10	63	0.46	4.50	0.60	6.00	106	119	1.82	1000
A81428XX	16	105	0.46	5.80	0.65	7.20	165	158	1.16	1000



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	mm <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A81430XX*	25	154	0.46	7.20	0.65	8.70	249	208	0.743	1000
A81432XX	35	551	0.30	8.50	0.80	10.40	350	257	0.527	1000
A81434XX	50	798	0.30	10.50	0.90	12.20	495	321	0.368	1000
A81437XX	70	1140	0.30	12.50	1.00	14.40	685	396	0.259	1000
A81438XX	95	836	0.40	14.80	1.10	16.70	930	469	0.196	1000

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	Grey-07	Brown-08	White-09	Orange-10	Violet-11	LTGreen-17	Pink-21	Red-Black-24	Red-Orange-25	Yellow-Blue-26
Yellow-Pink-27	Green-Yellow-29	Blue-Black-30	Blue-Red-31	Blue-Yellow-32	Blue-Green-33	Black-Green-37	Black-Orange-38	Black-Red-39	Black-White-40	Green-Black-42	Green-Red-43	Green-Grey-44	Green-Brown-45	Grey-White-46
Grey-Red-47	Grey-Violet-48	Grey-Black-49	Grey-Blue-50	Grey-green-51	Brown-Blue-52	Brown- Grey-53	Brown-Orange-55	Brown-Yellow-57	Brown-White-58	Brown-Green-59	White-Orange-60	White-Beige-61	White-Black-62	White-Brown-63
White-Blue-64	White-Grey-65	White-Red-66	Orange-Black-67	Orange-Grey-68	Orange-Brown-69	Orange-Blue-70	Orange-Green-71	Orange-White-73	Violet-Grey-75	Violet-Blue-76	Violet-Green-77	Pink-Blue-80	Pink-Orange-81	Pink-White-83
Beige-White-84	Beige-Blue-86	Beige-Orange-89	Beige-Red-91	Red-Green-93	Red-Yellow-94	Yellow-Red-95	Yellow-Black-96	Yellow-Brown-97	Yellow-Orange-98	Yellow-Violet-99	Blue-Brown-A01	Blue-White-A02	Green-Blue-A03	Green-White-A04
Grey-Yellow-A05	White-Violet- A06	White-Green-A07	White-Yellow-A08	Violet-Red-A09	Violet-White-A11	Red-White-A12	Green-Orange-A13	Blue-Orange-A14	Pink-Yellow-A15	Black-Grey-A16	Red-Blue-A17	Red-Grey-A18	Red-Pink-A19	Pink-Green-A20
Orange-Violet-A21	Red-Violet-A22	Violet-Pink-A23	Red-Brown-A25	Grey-Orange-A26	Green-Pink-A28	Blue-Grey-A34	Green-Violet-A35	LTGreen-Pink-A36	Grey-Brown-A39	Brown-Violet-A40	Pink-Violet-A41	Yellow-Grey-A43	LTGreen-Red-A44	Pink-LTGreen-A45
Green-LTGreen-A46	Green-LTBlue-A47	Grey-LTBlue-A48	White-LTBlue-A49	Violet-Brown-A50	Violet-LTBlue-A51	LTBlue-White-A52	Violet-LTGreen-A53	LTBlue-Orange-A54	White-LTGreen-A55	LTBlue-Brwon-A56	Black-LTBlue-A57	LTBlue-Violet-A58	LTGreen-LTBlue-A59	Blue-LTBlue-A60
Red-LTBlueA61	Brown-Beige-A62	Green-Beige-A63	Beige-A64	LTGreen-White-A65	Blue-Beige-A66	Blue-LTGreen-A67	Blue-Violet-A68	Brown-LTBlue-A69	LTGreen-Green-A70	Brown-LTGreen-A71	LTGreen-Grey-A72	Yellow-Beige-A73	Pink-LTBlue-A74	Beige-LTGreen-A75
Pink-Grey-A76	Red-LTGreen-A77	Black-Violet- A78	LT- Green/Dark-Green - A79	White-Pink - A80	Blue-Tan-A83	Brown-Pink-A84	Beige-Brown-A87	LTGreen-Black-A95						

- \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.
- ✓ Current carrying capacity given is for the maximum conductor operating of 150° C and ambient air temperature of 40°C.
  - ✓ \* Other length as per customer order.



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