



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

Features

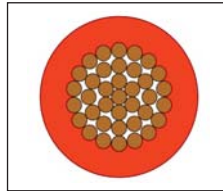
- ✓ Unilay conductor PVC
- ✓ Thin wall insulation
- ✓ Saving of insulation material, resulting in substantial weight reduction
- ✓ Heat resistance
- ✓ Halogen free

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ASTM B3
- ✓ 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

Automotive Cables **FLR91X-B**

2D View



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 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

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 ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A80805XX*	0.35	12	0.21	0.90	0.25	1.40	5	12	54.4	2000
A80806XX	0.50	16	0.21	1.10	0.28	1.60	6	16	37.1	2000
A80808XX	0.75	24	0.21	1.30	0.30	1.90	9	22	24.7	2000
A80810XX	1	32	0.21	1.50	0.30	2.10	12	26	18.5	2000
A80813XX	1.5	30	0.26	1.80	0.30	2.40	17	33	12.7	2000
A80814XX	2	28	0.31	2.00	0.35	2.80	23	41	9.42	2000
A80816XX	2.5	50	0.26	2.20	0.35	3.00	26	46	7.60	2000
A80817XX	3	44	0.31	2.40	0.40	3.40	34	54	6.15	1000
A80819XX	4	56	0.31	2.80	0.40	3.70	42	64	4.71	1000
A80821XX	5	65	0.33	3.10	0.40	4.20	53	72	3.94	1000
A80823XX	6	84	0.31	3.40	0.40	4.30	60	82	3.14	1000
A80827XX	10	80	0.41	4.50	0.60	6.00	106	119	1.82	1000



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	Nominal Cross-Section	No. of Strands	Diameter of Single wire Max.	Conductor Diameter Max.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A80828XX *	16	126	0.41	5.80	0.65	7.20	165	158	1.16	1000
A80830XX	25	196	0.41	7.20	0.65	8.70	249	208	0.743	1000
A80832XX	35	276	0.41	8.50	0.80	10.40	350	257	0.527	1000
A80834XX	50	396	0.41	10.50	0.90	12.20	495	321	0.368	1000
A80837XX	70	360	0.51	12.50	1.00	14.40	685	396	0.259	1000
A80838XX	95	475	0.51	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	Black-Yellow-41	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-Red-54	Brown-Orange-55	Brown-Black-56	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-Black-79	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-Yellow-A10	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-Brown-A56	Black-LTBlue-A57	LTBlue-Violet-A58	LTGreen-LTBlue-A59	Blue-LTBlue-A60	Red-LTBlue-A61	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	

✓ Current Carrying capacity given is for the maximum conductor operating of 150° 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.

✓ * Other length as per Customer order.



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