



Application

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

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722-1 (Symmetrical).
- ✓ Insulation : PVC with properties according to ISO 6722-1 class B, Lead free (Thick wall)
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722-1, Class B
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range: -40°C to +100°C (3000 Hours)
- ✓ Standard : ISO 6722-1 Class B
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

Features

- ✓ Unilay conductor stranding
- ✓ Reduced diameter / thicker wall insulation
- ✓ Saving of insulation material, resulting in substantial weight reduction

Automotive
Cables

Auto 100

Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Wall Thickness Nom.	Cable		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.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A83106XX*	0.50	19	0.19	1.10	0.60	2.30	10	37.1	14	1000
A83108XX	0.75	19	0.24	1.30	0.60	2.50	13	24.7	18	1000
A83110XX	1	19	0.27	1.50	0.60	2.70	15	18.5	22	1000
A83113XX	1.5	19	0.33	1.80	0.60	3.00	20	12.7	27	1000
A83114XX	2	19	0.38	2.00	0.60	3.30	26	9.42	33	1000
A83116XX	2.5	37	0.28	2.20	0.70	3.60	31	7.60	37	1000
A83117XX	3	37	0.34	2.40	0.70	4.10	41	6.15	43	1000
A83119XX	4	37	0.38	2.80	0.80	4.40	51	4.71	51	1000
A83121XX	5	37	0.43	3.10	0.80	4.90	63	3.94	58	1000
A83123XX	6	37	0.45	3.40	0.80	5.00	68	3.14	64	1000
A83127XX	10	63	0.46	4.50	1.00	6.50	115	1.82	90	1000
A83128XX	16	105	0.46	5.80	1.00	8.30	186	1.16	121	500
A83130XX	25	154	0.46	7.20	1.30	10.40	279	0.743	162	500
A83132XX	35	551	0.30	8.50	1.30	11.60	395	0.527	196	500
A83134XX	50	798	0.30	10.50	1.50	13.50	564	0.368	242	500
A83137XX	70	1140	0.30	12.50	1.50	15.50	788	0.259	296	500
A83138XX	95	836	0.40	14.80	1.60	18.00	1030	0.196	356	500
A83141XX	120	1064	0.40	16.50	1.60	19.70	1287	0.153	675	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	Brown-Yellow-57
Brown-White-58	Pink-Black-79									

** 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 100° C and ambient air temperature of 40°C.

✓ * Other length as per customer order.



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