



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 (Symmetrical)
- ✓ Insulation : Electron Beam Crossed Linked Polyolefin class D
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class D (Ultra Thin wall)
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range: -40°C to +150°C (3000 Hours).
- ✓ Standard : ISO 6722 Class D
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Heat resistance.
- ✓ Halogen free
- ✓ Extra flexibility.

**Automotive
Cables**
Auto 150 - UTW

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
A81506XX*	0.50	19	0.19	1.10	0.35	1.40	6	16	37.1	500
A81508XX	0.75	19	0.24	1.30	0.35	1.60	8	20	24.7	500
A81510XX	1	19	0.27	1.50	0.35	1.75	10	24	18.5	500
A81513XX	1.5	19	0.33	1.80	0.35	2.10	15	32	12.7	500
A81514XX	2	19	0.38	2.00	0.35	2.40	20	39	9.42	500
A81516XX	2.5	37	0.29	2.20	0.35	2.70	25	45	7.60	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	

- ✓ 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.

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.


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