

**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 electrolytic bare or Tinned Copper according to ISO 6722
- ✓ Cable construction according to ISO 6722 Class C(thick wall)
- ✓ Insulation :Electron Beam Crossed linked Polyolefin Class C
- ✓ Colour : As per customer order.
- ✓ Single core, Single layer insulation

**Technical Data**

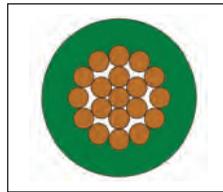
- ✓ Temperature Range : -40°C to + 125°C (3000 Hours)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm<sup>2</sup>  
5kV (r.m.s.) for cables ≥ 0.5 mm<sup>2</sup>
- ✓ Specification : ISO 6722

**Features**

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

Automotive Cables **Auto 125**

**2D View**



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 <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A81006XX*	0.5	19	0.19	1.1	0.6	2.3	10	37.1	17	500
A81008XX	0.75	19	0.24	1.3	0.6	2.5	13	24.7	21	500
A81010XX	1	19	0.27	1.5	0.6	2.7	15	18.5	25	500
A81013XX	1.5	19	0.33	1.8	0.6	3.0	20	12.7	32	500
A81014XX	2	19	0.38	2.0	0.6	3.3	25	9.42	38	500
A81016XX	2.5	37	0.29	2.2	0.7	3.6	31	7.60	44	500
A81017XX	3	37	0.34	2.4	0.7	4.1	41	6.15	50	500
A81038XX	4	37	0.38	2.8	0.8	4.4	51	4.71	60	500
A81021XX	5	37	0.43	3.1	0.8	4.9	63	3.94	67	500
A81023XX	6	37	0.45	3.4	0.8	5.0	68	3.14	77	500
A81027XX	10	63	0.46	4.5	1.0	6.5	115	1.82	109	500
A81028XX	16	105	0.46	5.8	1.0	8.3	186	1.16	147	500
A81030XX	25	154	0.46	7.2	1.3	10.4	279	0.743	193	500
A81032XX	35	551	0.30	8.5	1.3	11.6	395	0.527	236	500
A81034XX	50	798	0.30	10.5	1.5	13.5	564	0.368	291	500
A81037XX	70	1140	0.30	12.5	1.5	15.5	788	0.259	359	500
A81038XX	95	836	0.40	14.8	1.6	18.0	1037	0.196	428	500
A81041XX	120	1064	0.40	16.5	1.6	19.7	1287	0.153	509	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	

- \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.
- ✓ Part Number given is for Bare copper, the letter 'T' Should be added for tinned copper (Eg TA81006XX)
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 125°C and ambient air temperature of 40°C.
- ✓ \* Other length as per Customer order.



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