





Application

Features
Flame retardant

and diesel.

strength.

✓ Extra flexibility.

✓ Heat resistance

✓ Halogen free

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

Highly resistant against acids, Iyes, Petrol

Flexible conductors with Electron Beam cross linked polyolefin thin wall insulation with increased mechanical

Product Construction

- ✓ Conductor: Soft / annealed Plain Copper according to ISO 6722 (Symmetrical)
- ✓ Insulation : Electron Beam Crossed Linked Polyolefin Class C
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class C (Ultra Thin wall)
- ✓ 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 mm² 5kV (r.m.s.) for cables ≥ 0.5 mm²
- ✓ UTW Ultra Thin wall
- ✓ Specification : ISO 6722

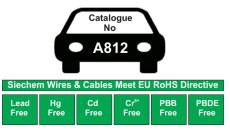
Automotive	Auto 425 LITIM
Cables	Auto 125 -UTW

ISO	ISO	IATF	OHSAS	IRIS No.
9001	14001	16949	18001	
<u>LAB</u> CO	ARAI® Progress through Research	REACH	RoHS	C€

Part Number	Conductor Construction				Insulation	Cable		Max.	Current	
	Nominal Cross- Section	No. of Strands	Diameter of Single wire max.	Conductor Diameter Nom.	Wall Thickness Nom.	Overall Diameter Max.	Weight Approx.	Conductor Resistance at 20°C	Carrying Capacity	Standard Length*
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
A81206XX*	0.5	19	0.19	1.1	0.2	1.4	6	37.1	14	500
A81208XX	0.75	19	0.24	1.3	0.2	1.6	8	24.7	18	500
A81210XX	1	19	0.27	1.5	0.2	1.75	10	18.5	22	500
A81213XX	1.5	19	0.33	1.8	0.2	2.1	15	12.7	29	500
A81214XX	2	19	0.38	2	0.25	2.4	20	9.42	35	500
A81216XX	2.5	37	0.29	2.2	0.25	2.8	25	7.60	41	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 temperature of 125°C and ambient air temperature of 40°C.
- * Other length as per Customer order.



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