



**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 circuits requiring heat resistance.

**Product Construction**

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722 (Symmetrical)
- ✓ Insulation : Electron beam cross linked Polyolefin Class C
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class C (Thin wall)
- ✓ Single core, Single layer insulation

**Technical Data**

- ✓ Temperature Range: -40°C to +125°C (3000 Hours)
- ✓ Standard : ISO 6722 Class C (Thin wall)
- ✓ 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>

**Features**

- ✓ Excellent Flame retardant
- ✓ Highly resistant against acids, alkali, petrol and diesel
- ✓ Extra flexible conductors with Electron beam cross linked polyolefin thin wall insulation for smaller diameter and lesser weight
- ✓ Excellent flexibility
- ✓ Heat resistant
- ✓ Halogen free

**Automotive Cables** Auto 125- TW

ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	IRIS™ Certification
LABCO	ARAI® Progress through Research	REACH COMPLIANT	RoHS COMPLIANT	CE

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
A81105XX*	0.35	7	0.27	0.90	0.25	1.40	5	54.4	12	2000
A81106XX	0.50	19	0.19	1.10	0.28	1.60	6	37.1	15	2000
A81108XX	0.75	19	0.24	1.30	0.30	1.90	9	24.7	20	2000
A81110XX	1	19	0.27	1.50	0.30	2.10	11	18.5	24	2000
A81113XX	1.5	19	0.33	1.80	0.30	2.40	17	12.7	30	2000
A81114XX	2	19	0.38	2.00	0.35	2.80	23	9.42	37	2000
A81116XX	2.5	37	0.28	2.20	0.35	3.00	26	7.60	42	2000
A81117XX	3	37	0.34	2.40	0.40	3.40	34	6.15	49	1000
A81119XX	4	37	0.38	2.80	0.40	3.70	42	4.71	58	1000
A81121XX	5	37	0.43	3.10	0.40	4.20	53	3.94	66	1000
A81123XX	6	37	0.45	3.40	0.40	4.30	60	3.14	75	1000
A81127XX	10	63	0.46	4.50	0.60	6.00	106	1.82	108	1000
A81128XX	16	105	0.46	6.30	0.65	7.20	177	1.16	144	1000
A81130XX	25	154	0.46	7.80	0.65	8.70	249	0.743	189	1000

Cables conforming to the below categories are also available according to customer requirement

Conductor Configuration : Symmetrical, Asymmetrical, Flexible

Insulation thickness : Standard, Thin wall & Ultra thin wall

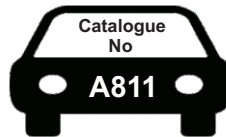
ISO 6722 Temperature Class Rating :

Class	A	B	C	D	E	F	G	H
Temperature from -40°C to	+85°C	+100°C	+125°C	+150°C	+175°C	+200°C	+225°C	+250°C

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 125° C and ambient air temperature of 40°C.
- ✓ Cables are also available in dual colored insulation
- ✓ \* Other length as per Customer order.



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr <sup>6+</sup> Free	PBB Free	PBDE Free
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