

### 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 requiring heat resistance

### Features

- ✓ Unilay conductor PVC
- ✓ Thin wall insulation
- ✓ Saving of insulation material, resulting in Substantial Weight reduction

### 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
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722-1, Class B (Thin wall)
- ✓ Single core, Single layer insulation

Automotive Cables

Auto 100 TW

### Technical Data

- ✓ Temperature Range: -40°C to +100°C (3000 Hours)
- ✓ Standard : ISO 6722-1 Class B (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>

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 <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A83202XX*	0.22	7	0.21	0.70	0.25	1.20	4	6	84.8	2000
A83205XX	0.35	7	0.27	0.90	0.25	1.30	5	10	54.4	2000
A83206XX	0.50	19	0.19	1.10	0.28	1.60	6	13	37.1	2000
A83208XX	0.75	19	0.24	1.30	0.30	1.90	9	17	24.7	2000
A83210XX	1	19	0.27	1.50	0.30	2.10	11	20	18.5	2000
A83213XX	1.5	19	0.33	1.80	0.30	2.40	17	26	12.7	2000
A83214XX	2	19	0.38	2.00	0.35	2.80	23	32	9.42	2000
A83216XX	2.5	37	0.28	2.20	0.35	3.00	26	36	7.60	2000
A83217XX	3	37	0.34	2.40	0.40	3.40	34	42	6.15	1000
A83219XX	4	37	0.38	2.80	0.40	3.70	42	49	4.71	1000
A83221XX	5	37	0.43	3.10	0.40	4.20	53	57	3.94	1000
A83223XX	6	37	0.45	3.40	0.40	4.30	60	61	3.14	1000
A83227XX	10	63	0.46	4.50	0.60	6.00	110	90	1.82	1000
A83228XX	16	105	0.46	5.80	0.65	7.20	165	119	1.16	1000
A83230XX	25	154	0.46	7.20	0.65	8.70	250	156	0.743	1000

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	Red-Black-24
Blue-Black-30	Blue-Red - 31	Blue-Yellow-32	Blue-Green-33	Black-Blue-36	Black-Red-39	Black-Yellow-41	Green-Black-42	Green-Red-43	Grey-Red-47	Grey-Black-49
Grey-Blue-50	Grey-green-51	Brown-Blue-52	Brown-Red-54	Brown-Yellow-57	Brown-White-58	Brown-Green-59	White-Black-62	White-Red-66	Orange-Black-67	Violet-Green-77
Red-Green-93	Yellow-Red-95	Yellow-Violet-99	Blue-White-A02	Green-White-A04	Grey-Yellow-A05	Violet-Red-A09	Pink-Yellow-A15	Red-Blue-A17	Grey-Brown-A39	Brown-Violet-A40
Black-Violet-A78										

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 :

\*\* 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.
- ✓ Cables are also available in dual colored insulation
- ✓ \* Other length as per Customer order.

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



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