



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 : PVC with properties according to ISO 6722 class A, Lead free(thin wall)
- ✓ Colour : As per customer order
- ✓ Cable construction according to ISO 6722, Class A
- ✓ Single core, Single layer insulation

Technical Data

- ✓ Temperature Range: -40°C to +85°C (3000 Hours)
- ✓ Standard : ISO 6722 Class A (Thin wall)
- ✓ Test Voltage: 3kV (r.m.s.) for cables < 0.5 mm²
5kV (r.m.s.) for cables ≥ 0.5 mm²

Features

- ✓ Unlaid conductor stranding
- ✓ Reduced diameter wall thickness
- ✓ Saving of insulation material, resulting in substantial weight reduction

Automotive Cables

Auto 85 TW

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
A82305XX*	0.35	7	0.27	0.90	0.25	1.40	5	9	54.4	2000
A82306XX	0.50	19	0.19	1.10	0.28	1.60	6	11	37.1	2000
A82308XX	0.75	19	0.24	1.30	0.30	1.90	9	15	24.7	2000
A82310XX	1	19	0.27	1.50	0.30	2.10	11	18	18.5	2000
A82313XX	1.5	19	0.33	1.80	0.30	2.40	16	23	12.7	2000
A82314XX	2	19	0.38	2.00	0.35	2.80	23	28	9.42	2000
A82316XX	2.5	37	0.28	2.20	0.35	3.00	26	32	7.60	2000
A82317XX	3	37	0.34	2.40	0.40	3.40	34	37	6.15	1000
A82319XX	4	37	0.38	2.80	0.40	3.70	42	44	4.71	1000
A82321XX	5	37	0.43	3.10	0.40	4.20	53	50	3.94	1000
A82323XX	6	37	0.45	3.40	0.40	4.30	60	54	3.14	1000
A82327XX	10	63	0.46	4.50	0.60	6.00	106	78	1.82	1000
A82328XX	16	105	0.46	5.80	0.65	7.90	176	108	1.16	1000
A82330XX	25	154	0.46	7.20	0.65	9.40	249	201	0.743	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	

- ** 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 85° C and ambient air temperature of 40°C.
- ✓ Cables are also available in dual colored insulation
- ✓ * Other length as per Customer order.



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