Siechem
Wires & Cables

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

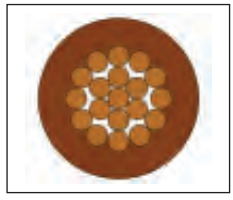
- ✓ Unilay conductor PVC
- ✓ Thin wall insulation
- ✓ Saving of insulation material, resulting in substantial weight reduction

Product Construction

- ✓ Conductor : Soft / annealed Plain Copper according to ISO 6722-1 (Asymmetrical)
- ✓ 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

2D View



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 mm²
  5kV (r.m.s.) for cables ≥ 0.5 mm²

Approvals	Accreditations	Certifications

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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.			
	mm²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
82705XX *	0.35	12	0.21	0.90	0.25	1.40	5	10	54.4	2000
82706XX	0.50	16	0.21	1.10	0.28	1.60	6	13	37.1	2000
82708XX	0.75	24	0.21	1.30	0.30	1.90	9	17	24.7	2000
82710XX	1	32	0.21	1.50	0.30	2.10	11	20	18.5	2000
82712XX	1.25	16	0.33	1.70	0.30	2.30	15	24	14.9	2000
82713XX	1.5	30	0.26	1.80	0.30	2.40	17	26	12.7	2000
82714XX	2	28	0.31	2.00	0.35	2.80	22	32	9.42	2000
82716XX	2.5	50	0.26	2.20	0.35	3.00	26	36	7.60	2000
82717XX	3	44	0.31	2.40	0.40	3.40	34	42	6.15	1000
82719XX	4	56	0.31	2.80	0.40	3.70	42	49	4.71	1000
82721XX	5	65	0.33	3.10	0.40	4.20	53	57	3.94	1000
82723XX	6	84	0.31	3.40	0.40	4.30	60	61	3.14	1000
82725XX	8	50	0.46	4.30	0.40	5.00	80	80	2.38	1000
82727XX	10	80	0.41	4.50	0.60	6.00	110	90	1.82	1000
827A11XX	12	96	0.41	5.40	0.60	6.50	130	100	1.52	1000
82728XX	16	126	0.41	5.80	0.65	7.20	165	119	1.16	1000
82730XX	25	196	0.41	7.20	0.65	8.70	250	156	0.743	1000

Cables confirming 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 6722-1 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 100° C and ambient air temperature of 40°C.
✓ Cables are also available in dual colored insulation
✓ * Other length as per customer order.

Catalogue No
A823

All information given are in good faith.Siechem's liability is only to replace the defective portion of cables provided the same is mutually established as manufacturing defects within the guarantee period as agreed in writing and Siechem shall not be liable for any other compensation or damages. Siechem reserves the right to revise any of the above specifications without prior intimation. Subject to Chennai Jurisdiction.