

**Application**

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

**Features**

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with PVC Thin Wall insulation for
- ✓ Extra flexibility.

**Product Construction**

- ✓ Conductor : Soft-annealed electrolytic copper E-Cu ETP1 according to IS 8130, bare conductor construction according to IS 2465
- ✓ Insulation : Lead free PVC.
- ✓ Colour : As per customer order.
- ✓ Single core

**Technical Data**

- ✓ Temperature Range : - 40°C to +70°C (3000 Hours)
- ✓ Standard : IS 2465
- ✓ Test Voltage : 3 kV
- ✓ Conductor Resistance: IS 8130

Automotive Cables **IS 2465**

**2D View**



Approvals	Accreditations	Certifications

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 Approx.		Overall Diameter Max.	Weight Approx.			
	mm <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
82906XX*	0.5	16	0.21	0.93	0.60	2.5	17	39.0	11	1000
82908XX	0.75	24	0.21	1.14	0.60	2.7	25	26.0	13	1000
82910XX	1	32	0.21	1.32	0.70	3.1	28	19.5	16	1000
82913XX	1.5	30	0.26	1.60	0.70	3.4	38	13.3	20	1000
82916XX	2.5	50	0.26	1.60	0.70	3.8	50	7.98	27	500
82919XX	4	56	0.31	2.60	0.80	4.6	73	4.95	37	500
82923XX	6	84	0.31	3.60	0.80	5.6	95	3.30	49	500
82927XX	10	80	0.41	4.60	1.00	7.0	147	1.91	692	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	

- ✓ \* Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 70°C and ambient air temperature of 40°C.
- \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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