



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 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

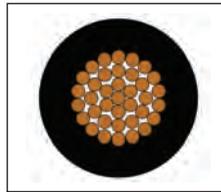
- ✓ Temperature Range : - 40°C to +70°C (3000 Hours)
- ✓ Standard : IS 2465
- ✓ Test Voltage : 3 kV
- ✓ Conductor Resistance: IS 8130

Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, petrol and diesel.
- ✓ Flexible conductor with PVC normal insulation thickness for battery cables.
- ✓ Extra flexibility.

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 Appox.		Overall Diameter Max.	Weight Approx.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Ω/km	Amps	mtrs
83028XX*	16	126	0.41	5.7	1.0	8.1	171	1.21	86	500
83030XX	25	196	0.41	7.1	1.2	10.0	263	0.780	115	500
83032XX	35	276	0.41	8.5	1.2	11.4	357	0.554	143	500
83034XX	50	396	0.41	10.3	1.4	13.7	506	0.386	178	500
83037XX	70	360	0.51	12.4	1.4	15.8	690	0.272	215	500
83038XX	95	475	0.51	14.5	1.6	18.4	925	0.206	257	500
83041XX	120	608	0.51	16.0	1.6	19.9	1161	0.161	291	500
83042XX	150	756	0.51	18.0	1.8	22.4	1442	0.129	553	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	Green-Yellow - 29

- ✓ *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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