



### 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 Thin Wall insulation for
- ✓ Extra flexibility.

**Automotive  
Cables**
**IS 2465**

|             |              |               |            |              |                                     |
|-------------|--------------|---------------|------------|--------------|-------------------------------------|
| ISO<br>9001 | ISO<br>14001 | IATF<br>16949 | AS<br>9100 | ISO<br>45001 | IRIS <sup>SM</sup><br>Certification |
|             |              |               |            |              |                                     |

| 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.


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