



### 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 bare Copper according to ISO 6722-1
- ✓ Cable construction according to ISO 6722-1 Class C (Thin wall)
- ✓ Insulation : Electron Beam Cross Linked Polyolefin 125°C
- ✓ Colour : As per customer order.
- ✓ Single core, Single layer insulation

### Technical Data

- ✓ Temperature Range : -40°C to + 125°C
- ✓ Specification : MS 90034 & ISO 6722-1
- ✓ System Voltage (Nom.) : ≤ 60V DC (or) 25V AC
- ✓ Max. Conductor Temperature  
Termination of Short Circuit : 280°C
- C - Temperature Class C
- C - Flexible
- B - Bare Copper
- T - Thin Wall

### Features

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.
- ✓ Heat resistance
- ✓ Halogen free

**Automotive  
Cables**

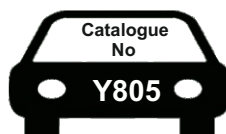
**CCBT (T3)**

|             |              |               |            |              |                        |
|-------------|--------------|---------------|------------|--------------|------------------------|
| ISO<br>9001 | ISO<br>14001 | IATF<br>16949 | AS<br>9100 | ISO<br>45001 | IRIS™<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 Max. |                                | Overall Diameter (Min/Max) | Weight Approx. |                                   |                           |                  |
|             | mm <sup>2</sup>        | nos.           | mm                           | mm                      | mm                             | mm                         | kg/km          | Ω/km                              | Amps                      | mtrs             |
| Y80505XX*   | 0.35                   | 19             | 0.16                         | 0.9                     | 0.25                           | 1.20/1.40                  | 5              | 54.4                              | 12                        | 500              |
| Y80506XX    | 0.5                    | 19             | 0.19                         | 1.1                     | 0.28                           | 1.40/1.60                  | 7              | 37.1                              | 15                        | 500              |
| Y80508XX    | 0.75                   | 38             | 0.16                         | 1.3                     | 0.30                           | 1.70/1.90                  | 10             | 24.7                              | 20                        | 500              |
| Y80510XX    | 1                      | 54             | 0.16                         | 1.5                     | 0.30                           | 1.90/2.10                  | 11             | 18.5                              | 24                        | 500              |
| Y80513XX    | 1.5                    | 76             | 0.16                         | 1.8                     | 0.30                           | 2.20/2.40                  | 17             | 12.7                              | 30                        | 500              |
| Y80514XX    | 2                      | 105            | 0.16                         | 2.0                     | 0.35                           | 2.50/2.80                  | 23             | 9.42                              | 37                        | 500              |
| Y80516XX    | 2.5                    | 140            | 0.16                         | 2.2                     | 0.35                           | 2.70/3.00                  | 25             | 7.60                              | 42                        | 500              |
| Y80517XX    | 3                      | 160            | 0.16                         | 2.4                     | 0.40                           | 3.10/3.40                  | 35             | 6.15                              | 49                        | 500              |
| Y80519XX    | 4                      | 224            | 0.16                         | 2.8                     | 0.40                           | 3.40/3.70                  | 43             | 4.71                              | 58                        | 500              |
| Y80521XX    | 5                      | 250            | 0.16                         | 3.1                     | 0.40                           | 3.90/4.20                  | 54             | 3.94                              | 66                        | 500              |
| Y80523XX    | 6                      | 320            | 0.16                         | 3.4                     | 0.40                           | 4.00/4.30                  | 59             | 3.14                              | 75                        | 500              |
| Y80525XX    | 8                      | 240            | 0.21                         | 4.3                     | 0.40                           | 4.60/5.00                  | 82             | 2.38                              | 91                        | 500              |
| Y80527XX    | 10                     | 320            | 0.21                         | 4.5                     | 0.60                           | 5.30/6.00                  | 105            | 1.82                              | 108                       | 500              |
| Y805A11XX   | 12                     | 380            | 0.21                         | 5.4                     | 0.60                           | 5.80/6.50                  | 135            | 1.52                              | 123                       | 500              |
| Y80528XX    | 16                     | 512            | 0.21                         | 5.8                     | 0.65                           | 6.40/7.20                  | 167            | 1.16                              | 144                       | 500              |
| Y80556XX    | 20                     | 610            | 0.21                         | 6.9                     | 0.65                           | 7.00/7.80                  | 208            | 0.995                             | 161                       | 500              |
| Y80530XX    | 25                     | 790            | 0.21                         | 7.2                     | 0.65                           | 7.90/8.70                  | 245            | 0.743                             | 189                       | 500              |

✓ Current Carrying capacity given is for the maximum conductor operating temperature of 125°C and ambient air temperature of 40°C.

✓ \* Other length as per Customer order.



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### Single colour & single stripe colour code :

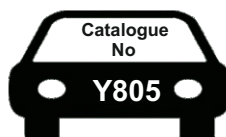
Note : XX\* : Please add last two digits in the part number as per the colour code given here under replacing XX while ordering.

| Red-01           | Yellow-02         | Blue-03          | Black-04         | Green-05           | Yellow-Green-06  | Grey-07            | Brown-08           | White-09          | Orange-10         | Violet- 11         | LT Green-17       | Pink-21               | Red-Black-24       | Yellow-Blue-26    |
|------------------|-------------------|------------------|------------------|--------------------|------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-----------------------|--------------------|-------------------|
| Yellow-Pink-27   | Green-Yellow-29   | Blue-Black-30    | Blue-Red-31      | Blue-Yellow-32     | Black-Green-37   | Black-Orange-38    | Black-White-40     | Green-Black-42    | Green-Red-43      | Green-Grey-44      | Green-Brown-45    | Grey-White-46         | Grey-Violet-48     | Grey-Black-49     |
| Grey-Blue-50     | Brown-Blue-52     | Brown-Grey-53    | Brown-Red-54     | Brown-Orange-55    | Brown-Yellow-57  | Brown-White-58     | Brown-Green-59     | White-Orange-60   | White-Beige-61    | White-Black-62     | White-Brown-63    | White-Blue-64         | White-Grey-65      | White-Red-66      |
| Orange-Black-67  | Orange-Grey-68    | Orange-Brown-69  | Orange-Blue-70   | Orange-White-73    | Violet-Grey-75   | Violet-Blue-76     | Violet-Green-77    | Beige-White-84    | Beige-Blue-86     | Beige-Green-87     | Beige-Grey-88     | Beige-Orange-89       | Red-Green-93       | Red-Yellow-94     |
| Yellow-Red-95    | Yellow-Black-96   | Yellow-Brown-97  | Yellow-Violet-99 | Blue-Brown-A01     | Blue-White-A02   | Green-Blue-A03     | Green-White-A04    | White-Violet- A06 | White-Green-A07   | White-Yellow-A08   | Violet-Red-A09    | Red-White-A12         | Green-Orange-A13   | Blue-Orange-A14   |
| Pink-Yellow-A15  | Orange-Violet-A21 | Red-Violet-A22   | Red-Brown-A25    | Grey-Orange-A26    | Green-Pink-A28   | LTBlue-Yellow-A32  | Blue-Grey-A34      | Green-Violet-A35  | Blue-Pink-A38     | Grey-Brown-A39     | Brown-Violet-A40  | Pink-Violet-A41       | Pink-LTGreen-A45   | Green-LTGreen-A46 |
| Green-LTBlue-A47 | Grey-LTBlue-A48   | White-LTBlue-A49 | Violet-Brown-A50 | Violet-LTBlue-A51  | LTBlue-White-A52 | Violet-LTGreen-A53 | LTBlue-Orange-A54  | White-LTGreen-A55 | LTBlue-Brown-A56  | Black-LTBlue- A57  | LTBlue-Violet-A58 | Blue-LTBlue-A60       | Red-LTBlue-A61     | Green-Beige-A63   |
| Beige-A64        | LTGreen-White-A65 | Blue-Beige-A66   | Blue-LTGreen-A67 | Blue-Violet-A68    | Brown-LTBlue-A69 | LTGreen-Green-A70  | Brown-LTGreen-A71  | LTGreen-Grey-A72  | Yellow-Beige-A73  | Beige-LTGreen-A75  | Black-Violet-A78  | LTGreen-DarkGreen-A79 | White-Pink-A80     | Beige-Brown-A87   |
| Beige-Violet-A88 | LTBlue-Blue-A89   | LTBlue-Green-A90 | LTBlue-Grey-A92  | LTBlue-LTGreen-A91 | LTBlue-Beige-A93 | LTGreen-Black-A95  | Orange-LTGreen-B01 | Silver-B02        | LTGreen-Beige-B03 | Beige-LT Blue-B04  | Brown-SkyBlue-B05 | Pink-SkyBlue-B06      | Violet-SkyBlue-B09 | SkyBlue-White-B14 |
| White-Tan-B16    | Green-Tan-B17     | Tan-Brown-B18    | Tan-LTGreen-B19  | Tan-Orange-B20     | Tan-White-B22    | LTGreen-Tan-B24    | Tan-Yellow-B25     | Tan-SkyBlue-B26   | SkyBlue-Blue-B27  | SkyBlue-Violet-B28 | Tan-Green-B29     | Yellow-LTGreen-B30    |                    |                   |

### Double stripe colour code :

Note : XX\* : Please add last two digits in the part number as per the colour code given here under replacing XX while ordering.

|                      |                    |                    |                   |                  |                   |                   |                   |                   |                  |                   |                   |                    |                    |                  |
|----------------------|--------------------|--------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|--------------------|--------------------|------------------|
| LT Green-SkyBlue-D01 | Grey-Red-D02       | Violet-White-D03   | White-Yellow-D04  | Green-Yellow-D05 | Yellow-Black-D06  | Yellow-Red-D07    | Brown-Yellow-D08  | Blue-Black-D09    | Tan-Brown-D10    | Blue-Yellow-D11   | Blue-LT Green-D12 | White-Violet-D13   | White-Orange-D14   | Grey-Black-D15   |
| Pink-Yellow-D16      | Grey-White-D17     | Grey-Brown-D18     | Orange-Black-D19  | Red-Violet-D20   | Tan-LT Green-D21  | Yellow-Grey-D22   | Blue-White-D23    | Grey-Yellow-D24   | Blue-Red-D25     | Black-Violet-D26  | Pink-Orange-D27   | White-Grey-D28     | Blue-Orange-D29    | Brown-White-D30  |
| Brown-Grey-D31       | Yellow-Orange-D32  | Green-Orange-D33   | Red-Blue-D34      | Green-Brown-D35  | Pink-Green-D36    | Tan-Red-D37       | Green-Tan-D38     | Grey-Orange-D39   | Green-White-D40  | Grey-Sky Blue-D41 | Tan-White-D42     | Green-Skyblue-D43  | Green-LTGreen-D44  | Pink-LTGreen-D45 |
| White-SkyBlue-D46    | Green-Grey-D47     | LTGreen-Red-D48    | Brown-Orange-D49  | Black-Orange-D50 | Grey-Blue-D51     | White-Black-D52   | White-Red-D53     | White-Green-D54   | White-Brown-D55  | White-Blue-D56    | Red-Green-D57     | Green-Black-D58    | Violet-LTGreen-D59 | Violet-Blue-D60  |
| SkyBlue-Blue-D61     | SkyBlue-Orange-D62 | Violet-SkyBlue-D63 | Yellow-Violet-D64 | Brown-Violet-D65 | LTGreen-Green-D66 | White-LTGreen-D67 | SkyBlue-White-D68 | Black-SkyBlue-D69 | SkyBlue-Grey-D70 | Pink-Violet-D71   | SkyBlue-Brown-D72 | SkyBlue-Violet-D73 | Tan-Grey-D74       | Violet-Brown-D75 |
| Tan-Green-D76        | Violet-Red-D77     |                    |                   |                  |                   |                   |                   |                   |                  |                   |                   |                    |                    |                  |



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