

## Single Core Solid Conductor 450 / 1100 V Plain Copper Conductor, PVC Insulation CU/PVC Wires

### Technical Specifications:

#### Applications

Used for indoor fixed installation in dry locations, distribution in conduits as well as in steel support brackets and equipment wiring.

#### Standard

As per BS 6231 & IEC 60227 & IS:694

#### Rated Voltage

Working voltage up to 450/1100 V

#### Conductor

Annealed solid copper wire

Class 1 of BS EN 60228 & IEC 60228 & IS:8130

#### Insulation

PVC insulation type temperature rating 105 °C as per BS 7655 & IS:5831

#### Packing

Available in standard length of 100 yards on coil Other lengths available upon request



| Technical Data  |          |   |                              |                          |
|-----------------|----------|---|------------------------------|--------------------------|
| Conductor       |          | Max Conductor Resistance at 20°C (Max.) | Nominal Insulation Thickness | Approx Over All Diameter |
| Sr. No.         | Cons.    |   |                              |                          |
| mm <sup>2</sup> | No. x mm | Ohms/km                                 | mm                           | mm                       |
| 0.5             | 1 x 0.80 | 36.00                                   | 0.6                          | 2                        |
| 0.75            | 1 x 0.98 | 24.50                                   | 0.6                          | 2.2                      |
| 1.0             | 1 x 1.13 | 18.10                                   | 0.6                          | 2.3                      |
| 1.5             | 1 x 1.38 | 12.10                                   | 0.7                          | 2.8                      |
| 2.5             | 1 x 1.78 | 7.41                                    | 0.8                          | 3.4                      |
| 4               | 1 x 2.25 | 4.61                                    | 0.8                          | 3.9                      |
| 6               | 1 x 2.76 | 3.08                                    | 0.8                          | 4.4                      |
| 10              | 1 x 3.57 | 1.83                                    | 1.0                          | 5.6                      |

## Single Core Flexible Conductor (Unsheathed) 450 / 1100 V Plain Copper Conductor, PVC Insulated Wires

### Technical Specifications:

#### Applications

Used for indoor fixed installation in dry locations for lighting fittings inside electrical panels and connections for apparatuses, switch gears and control gears.

#### Standard

As per BS 6231 & IS:694

#### Rated Voltage

Working voltage up to 450/1100 V

#### Conductor

Annealed flexible copper wires Class 5 & Class 2 of BS EN 60228 & IS:8130

Copper fine wires bunched together to circular conductor

#### Insulation with flame retardant (FR) Property

Type BK: Type T11 temperature rating 70 °C as per BS 7655 & IS:5831

Type CK: Type T13 temperature rating 90 °C as per BS 7655 & IS:5831

Type CK: PVC rated 105 °C available on request

#### Packing

Available in standard length of 100 yards on coil



| Technical Data  |           |   |                              |                          |
|-----------------|-----------|---|------------------------------|--------------------------|
| Conductor       |           | Max Conductor Resistance at 20°C (Max.) | Nominal Insulation Thickness | Approx Over All Diameter |
| Sr. No.         | Cons.     |   |                              |                          |
| mm <sup>2</sup> | No. x mm  | Ohms/km                                 | mm                           | mm                       |
| 0.5             | 16 x 0.2  | 39.0                                    | 0.6                          | 2.3                      |
| 0.75            | 24 x 0.2  | 26.0                                    | 0.6                          | 2.5                      |
| 1               | 15 x 0.3  | 18.1                                    | 0.6                          | 2.7                      |
| 1.5             | 22 x 0.3  | 12.1                                    | 0.7                          | 3.3                      |
| 2.5             | 36 x 0.3  | 7.41                                    | 0.7                          | 4.0                      |
| 4               | 56 x 0.3  | 4.95                                    | 0.8                          | 4.6                      |
| 6               | 84 x 0.3  | 3.30                                    | 0.8                          | 5.2                      |
| 10              | 140 x 0.3 | 1.91                                    | 1.0                          | 6.7                      |
| 16              | 226 x 0.3 | 1.21                                    | 1.0                          | 7.8                      |
| 25              | 196 x 0.4 | 0.780                                   | 1.2                          | 9.7                      |
| 35              | 276 x 0.4 | 0.544                                   | 1.2                          | 10.9                     |
| 50              | 396 x 0.4 | 0.386                                   | 1.4                          | 12.8                     |
| 70              | 360 x 0.5 | 0.272                                   | 1.4                          | 14.6                     |

Other sizes available upon request

Colour: White/Black/Yellow/Green any other Colour on Specific Request

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## Single Core Stranded Conductor (Unsheathed) 450 / 1100 V Plain Copper Conductor, PVC Insulation CU/PVC Wires

### Technical Specifications:

#### Applications

Used for indoor fixed installation in dry locations, distribution in conduits as well as in steel support brackets and equipment wiring.

#### Standard

As per BS 6231 & IEC 60227 & IS:694

#### Rated Voltage

Working voltage up to 450/1100 V

#### Conductor

Annealed solid copper wire

Class 2 of BS EN 60228 & IEC 60228 & IS:8130

#### Insulation with Flame Retardant (FR) Property

PVC Insulation temperature rating 70 °C as per BS 7655 & IS:5831

#### Packing

Available in standard length of 100 yards .

Other lengths available upon request



| Technical Data  |          |   |                              |                          |
|-----------------|----------|---|------------------------------|--------------------------|
| Conductor       |          | Max Conductor Resistance at 20°C (Max.) | Nominal Insulation Thickness | Approx Over All Diameter |
| Sr. No.         | Cons.    |   |                              |                          |
| mm <sup>2</sup> | No. x mm | Ohms/km                                 | mm                           | mm                       |
| 1.5             | 7 x 0.52 | 12.10                                   | 0.7                          | 3.0                      |
| 2.5             | 7 x 0.67 | 7.41                                    | 0.8                          | 3.6                      |
| 4               | 7 x 0.85 | 4.61                                    | 0.8                          | 4.2                      |
| 6               | 7 x 1.04 | 3.08                                    | 0.8                          | 4.8                      |
| 10              | 7 x 1.34 | 1.83                                    | 1.0                          | 6.0                      |
| 16              | 7 x 1.68 | 1.15                                    | 1.0                          | 7.1                      |
| 25              | 7 x 2.14 | 0.727                                   | 1.2                          | 8.9                      |
| 35              | 7 x 2.52 | 0.524                                   | 1.2                          | 10.0                     |
| 50              | 7 x 1.78 | 0.387                                   | 1.4                          | 11.8                     |
| 70              | 7 x 2.22 | 0.268                                   | 1.4                          | 12.7                     |