

### Cable - General Wire

**Cable Description: 1 X 1.5 MM2 SOLID CU PVC RED : 450/750 V BS6004 : INSULATION**

#### Design and Construction Data

|                                                 |                                        |           |
|-------------------------------------------------|----------------------------------------|-----------|
| Reference Manufacturing Standards               | IEC 60228 , BS 6004 , BS EN 50525-2-31 |           |
| Max. Permissible Continuous Conductor Temp      | °C                                     | 70        |
| Max. Conductor Short Circuit Temp for 5 Seconds | °C                                     | 160       |
| Rated Voltage ' Uo / U '                        | V                                      | 450/750   |
| Number of Conductors x Cross-Section            | mm <sup>2</sup>                        | 1 x 1.5   |
| Conductor Material & Shape                      | Copper & Solid Class 1                 |           |
| Insulation Material                             | PVC                                    |           |
| Insulation Nominal Thickness                    | mm                                     | 0.70      |
| Insulation Color                                | Red                                    |           |
| Approximate Cable Overall Diameter              | mm                                     | 2.60-3.20 |
| Approximate Cable Weight                        | Kg/km                                  | 20.920    |

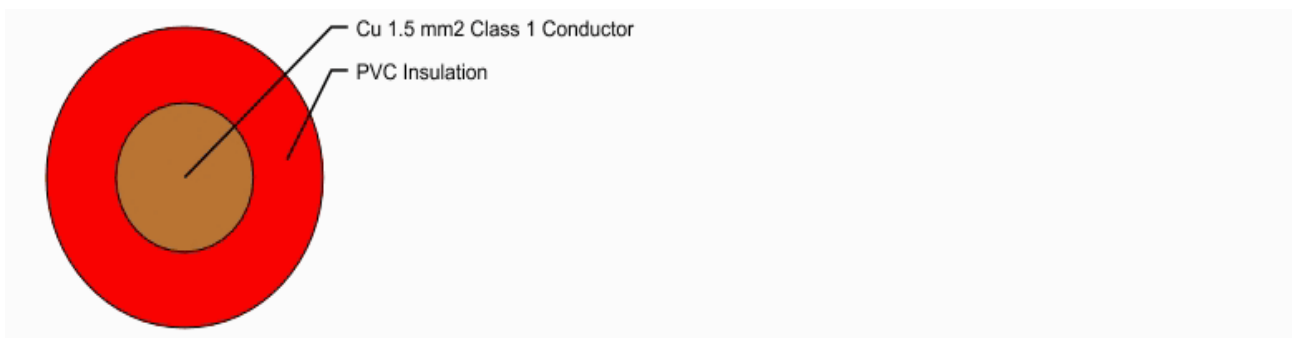
#### Electrical Data

|                                              |                                        |       |
|----------------------------------------------|----------------------------------------|-------|
| Max Conductor DC resistance @ 20 °C          | ohm/km                                 | 12.10 |
| Min Insulation Resistance at 70°C            | M ohm.km                               | 0.011 |
| High Voltage Test at 2.5kV for 5 min         | No Breakdown Shall Occur               |       |
| Current Carrying Capacity                    |                                        |       |
| Laid in Free air @ 30 °C Ambient Temperature | Amp                                    |       |
| Conduit on wall or in Trunking               | Amp                                    | 17.5  |
| Direct in Ground or Ducting in Ground @20 °C | Amp                                    | -     |
| Minimum Bending Radius                       | mm                                     | -     |
| The Cable shall meet all Test requirements   | IEC 60228 , BS 6004 , BS EN 50525-2-31 |       |

#### Cable Marking

1x1.5 mm<sup>2</sup> SOLID CU/PVC ELECTRIC CABLE 450/750 V BS 6004 FAST CABLES LTD Y.O.M

#### Cable Drawing



|                                                              |                  |           |
|--------------------------------------------------------------|------------------|-----------|
| 1 X 1.5 MM2 SOLID CU PVC RED : 450/750 V BS6004 : INSULATION | Approx. Diameter |           |
| Solid Copper Conductor with round shape                      | mm               | 1.38      |
| Insulated                                                    | mm               | 2.60-3.20 |