

## **PRODUCT DATA SHEET**

### **Cable Description**

|  |   |  |
|--|---|--|
| <b>Cable Size</b>                              | : | 3X150 mm <sup>2</sup> + 70mm <sup>2</sup>  |
| <b>Standard Specification Applied To Cable</b> | : | IEC 60502 - IEC 60228  |
| <b>Rated Voltage</b>                           | : | 600 / 1000 Volt  |
| <b>Cable Description</b>                       | : | Flexible Copper Conductor Insulated With Polyvinyl Chloride And Sheathed With Polyvinyl Chloride(CU / PVC / PVC) |

### **Conductor**

|   |   |                         |            |
|---|---|-------------------------|------------|
| <b>Standard Specification Applied To Conductor</b>        | : | IEC 60228               |            |
| <b>NO. Of Cores per Cable</b>                             | : | 3                       | 1          |
| <b>Nominal Cross- Sectional Area Per core</b>             | : | 150 mm <sup>2</sup>     |            |
| <b>Nominal Number Of Strands Per core</b>                 | : | 2100                    | 980        |
| <b>Diameter Of Each Strand</b>                            | : | 0.30 mm                 | 0.30mm     |
| <b>Material Of Core</b>                                   | : | Copper                  | Copper     |
| <b>Type</b>   | : | Class-5                 | Class-5    |
| <b>Cross- Sectional Area Of Each Strand</b>               | : | 0.07065 mm <sup>2</sup> |            |
| <b>Overall Diameter Of Conductor</b>                      | : | 19.00 mm                | 12.60mm    |
| <b>D.C. Resistance Of Conductor At 20°c Per Km (max.)</b> | : | 0.129 Ω/km              | 0.272 Ω/km |

### **Insulation**

|   |   |                     |        |
|---|---|---------------------|--------|
| <b>Material Of Insulation</b>   | : | Polyvinyl Chloride  |        |
| <b>Colour Per Core</b>  | : | Red – Yellow – Blue | Black  |
| <b>Nominal Thickness Of Insulation Per Core</b>                           | : | 1.80 mm             | 1.40mm |
| <b>Min. Insulation Resistance Per Core Per Km Length Of Cable At 70°c</b> | : | 0.0032 M ohm.Km     |        |
| <b>Test Voltage Between Cores And Earth ( AC KV . Time min )</b>          | : | 3000V for 5 min     |        |
| <b>Heat Resistance Test ( Temperature °c . Time min )</b>                 | : | 150 °c for 1 hour   |        |

### **Over Sheath**

|                                  |   |                    |
|----------------------------------|---|--------------------|
| <b>Material Of Outer Jacket</b>  | : | Polyvinyl Chloride |
| <b>Thickness Of Outer Jacket</b> | : | 2.80 mm            |
| <b>Colour Of Outer Jacket</b>    | : | Gray Or Black      |

### **Cable Dimension ( Nominal ) :**

|  |   |          |
|--|---|----------|
| <b>Approx. External Cable Diameter</b> | : | 56.00 mm |
|--|---|----------|