

## **PRODUCT DATA SHEET**

### **Cable Description**

<b>Cable Size</b>	:	4X50 mm <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>	:	Stranded Copper Conductor Insulated With Cross-Linked Polyethylene And Sheathed With Polyvinyl Chloride(CU / XLPE / PVC)

### **Conductor**

<b>Standard Specification Applied To Conductor</b>	:	IEC 60228
<b>NO. Of Cores per Cable</b>	:	4
<b>Nominal Cross- Sectional Area Per core</b>	:	50 mm <sup>2</sup>
<b>Nominal Number Of Strands Per core</b>	:	19
<b>Diameter Of Each Strand</b>	:	1.80 mm
<b>Material Of Core</b>	:	Copper
<b>Type</b>	:	Class-2
<b>Cross- Sectional Area Of Each Strand</b>	:	2.543 mm <sup>2</sup>
<b>Overall Diameter Of Conductor</b>	:	9.00 mm
<b>D.C. Resistance Of Conductor At 20°c Per Km (max.)</b>	:	0.387 Ω/km

### **Insulation**

<b>Material Of Insulation</b>	:	Cross-Linked Polyethylene(XLPE)
<b>Colour Per Core</b>	:	Red – Yellow – Blue – Black
<b>Nominal Thickness Of Insulation Per Core</b>	:	1.00 mm
<b>Min. Insulation Resistance Per Core Per Km Length Of Cable At 90°c</b>	:	0.0043 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>	:	1.90 mm
<b>Colour Of Outer Jacket</b>	:	Gray Or Black

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

<b>Approx. External Cable Diameter</b>	:	30.40 mm
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