

## **PRODUCT DATA SHEET**

### **Cable Description**

<b>Cable Size</b>	:	5X35 mm <sup>2</sup>
<b>Standard Specification Applied To Cable</b>	:	IEC 60227 - IEC 60228
<b>Rated Voltage</b>	:	300 / 500 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>	:	5
<b>Nominal Cross- Sectional Area Per core</b>	:	35 mm <sup>2</sup>
<b>Nominal Number Of Strands Per core</b>	:	490
<b>Diameter Of Each Strand</b>	:	0.30 mm
<b>Material Of Core</b>	:	Copper
<b>Type</b>	:	Class-5
<b>Cross- Sectional Area Of Each Strand</b>	:	0.07065 mm <sup>2</sup>
<b>Overall Diameter Of Conductor</b>	:	9.25 mm
<b>D.C. Resistance Of Conductor At 20°c Per Km (max.)</b>	:	0.554 Ω/km

### **Insulation**

<b>Material Of Insulation</b>	:	Polyvinyl Chloride
<b>Colour Per Core</b>	:	Red – Yellow – Blue – Black - Green
<b>Nominal Thickness Of Insulation Per Core</b>	:	1.20 mm
<b>Min. Insulation Resistance Per Core Per Km Length Of Cable At 70°c</b>	:	0.0038 M ohm.Km
<b>Test Voltage Between Cores And Earth ( AC KV . Time min )</b>	:	2000V 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>	:	1.6 mm
<b>Colour Of Outer Jacket</b>	:	White , Gray , Or Black

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

<b>Nominal External Cable Diameter</b>	:	27.0 : 35.0 mm
--	---	----------------