

## **PRODUCT DATA SHEET**

### **Cable Description**

<b>Cable Size</b>	:	2X1mm <sup>2</sup> ( Fire Alarm )
<b>Standard Specification Applied To Cable</b>	:	BS 5308 - IEC 60228
<b>Rated Voltage</b>	:	300 / 500 Volt
<b>Cable Description</b>	:	Flexible copper conductor insulated with polyvinylchloride rated for 105 ºC , cores twisted together , wrapped by aluminium tape , and sheathed With flam retardant polyvinylchloride rated for 105 ºC. (CU/PVC/ALT/PVC)

### **Conductor**

<b>Standard Specification Applied To Conductor</b>	:	IEC 60228
<b>NO. Of Cores per Cable</b>	:	2
<b>Nominal Cross- Sectional Area Per core</b>	:	1 mm <sup>2</sup>
<b>Nominal Number Of Strands Per core</b>	:	14
<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>	:	1.3 mm
<b>D.C. Resistance Of Conductor At 20º Per Km (max.)</b>	:	19.5 Ω/km

### **Insulation**

<b>Material Of Insulation</b>	:	Polyvinyl Chloride 105º
<b>Colour Per Core</b>	:	Red – Black
<b>Nominal Thickness Of Insulation Per Core</b>	:	0.60 mm
<b>Min. Insulation Resistance Per Core Per Km Length Of Cable At 90º</b>	:	0.010 M ohm.Km
<b>Test Voltage Between Cores And Earth ( AC KV . Time min )</b>	:	2000V for 5 min
<b>Heat Resistance Test ( Temperature º . Time min )</b>	:	150 º for 1 hour

### **Over Sheath**

<b>Material Of Outer Jacket</b>	:	flam retardant Polyvinyl Chloride 105º
<b>Thickness Of Outer Jacket</b>	:	0.8 mm
<b>Colour Of Outer Jacket</b>	:	Red

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

<b>Approx. External Cable Diameter</b>	:	6.6 mm
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