



- 1. STRANDED COPPER CONDUCTOR
- 2. PVC INSULATION

NEELKANTH CABLES LIMITED

DATA SHEET

SINGLE CORE STRANDED & SOLID UNSHEATHED WIRING CABLES

Single Core Wiring Cable Description : Copper Conductor,PVC Insulated, Unsheathed Electric Wiring Cables for Fixed Installations

Make NEELKANTH CABLES LIMITED
 Reference Standard As per SANS:1507-2 & 3, ZS-688-2 & 3,
 Voltage Grade 600/1000 Volt
 Operating Temperature 70°C
 Max. Temp. During Short Circuit 160°C

Range of Product Single Core 1.5 Sq.mm up to 1000 Sq.mm

Application :Can be used in common Wiring, Industrial Wiring conduit , protected installation in switchgear, lighting and appliances.

Construction

Conductor: Solid (Class1) & Stranded (Class 2) plain copper conductors to SANS:1411-1
Insulation : PVC (Polyvinyl Chloride) as per & SANS: 1411-2
Insulation Type :General Purpose PVC and Special Requirement PVC - HR,FR,& LSFR
Insulation Colour : RED,YELLOW,BLUE ,BLACK and GREEN/YELLOW,Other Colour Available as per Requirement.

Technical Characteristic

Voltage Grade 600/1000V
 Test Voltage Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute
 Spark Test Voltage Up to and including 16 Sq.mm 6 kV
 Up to and including 240 Sq.mm 10 kV
 Above 240 Sq.mm 12 kV
 Insulation Volume Resistivity Minimum 1×10^{13} Ohm-cm
 Temperature Rating -15°C to +70°C
 Flame Retardent SANS 60332 Part 1,& 2
 Maximum Conductor Temperature :70°C(Special Requirement 85°C,105°C)
 Short Circuit Rating:160°C 160°C
 Minimum Bending Radius Diameter Up to 10 mm- 3 X D
 Diameter Up to and including 25mm- 4 X D
 Diameter Up to and including 40mm- 6 X D
 Diameter Above 40mm- 8 X D
D = Overall Cable Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, YEAR OF MANUFACTURING
 Cable Length 100 Mtrs Coils or as per Requirement
 Type of Packing Corrugated Box, Wrapped with Polyethylene and Wooden Drum Fully Packed with Lagging

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