



1. FLEXIBLE COPPER CONDUCTOR
2. PVC INSULATION

## NEELKANTH CABLES LIMITED

### DATA SHEET

#### SINGLE CORE FLEXIBLE UNSHEATHED WIRING CABLES

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

Make NEELKANTH CABLES LIMITED  
 Reference Standard As per SANS:1574- 3  
 Voltage Grade 600/1000 Volt  
 Operating Temperature 70°C  
 Max. Temp. During Short Circuit 160°C

**Range of Product** Single Core 0.50 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**: Flexible MultiStranded (Class 5) 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 3 kV for 5 Minute.  
 Spark Test Voltage Up to and including Thickness 0.9mm - 5 kV a.c  
 Above Thickness 0.90mm - 6 kV a.c  
 Insulation Volume Resistivity Minimum  $1 \times 10^{13}$  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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Version	01	Issue Date: 29/04/2021