

		<b>1. FLEXIBLE COPPER CONDUCTOR</b> <b>2. PVC INSULATION</b>
<b>NEELKANTH CABLES LIMITED</b>		
<b>DATA SHEET</b>		
<b>SINGLE CORE UNSHEATHED HARMONIZED FLEXIBLE CABLES</b>		

Single Core Flexible Cable Description : Flexible Multistranded Copper Conductor, Flexible PVC Insulated, Unsheathed Electric Harmonized Flexible Cables

Make NEELKANTH CABLES LIMITED  
Reference Standard As per SANS:1574- 2  
Voltage Grade 300/500 Volt  
Operating Temperature 70°C  
Max. Temp. During Short Circuit 160°C

**Range of Product** Single Core 0.50 Sq.mm up to 1.0 Sq.mm

**Application** :Can be used in common Wiring, Electrical appliances in domestic,office and similar applications.

**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,& LSFRR  
**Insulation Colour** : RED,YELLOW,BLUE ,BLACK and GREEN/YELLOW,Other Colour Available as per Requirement.

**Technical Characteristic**

Voltage Grade 300/500V  
Test Voltage 2.0 kV for 5 Minute.  
Spark Test Voltage 5 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  
**D = Overall Cable Diameter**

**Marking & Packing**

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 300/500 V, YEAR OF MANUFACTURING  
Cable Length 100 Mtrs Coils or as per Requirement  
Type of Packing Corrugated Box or Wrapped with Polyethylene.

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