



1. FLEXIBLE COPPER CONDUCTOR
2. RUBBER INSULATION
3. RUBBER OUTER SHEATH

NEELKANTH CABLES LIMITED
DATA SHEET
MULTICORE FLEXIBLE CABLE FOR INDUSTRIAL USE

Cable Description : Flexible Multistranded Copper Conductor,Rubber Insulated, Overall Rubber Outer Sheathed Flexible Rubber Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1574- 5
Voltage Grade	600/1000 Volt
Operating Temperature	70°C
Max. Temp. During Short Circuit	200°C

Range of Product	1 Core 1.0 Sq.mm up to 1C X 600 Sq.mm
	2C X 1.0 upto 5C X 240 sq.mm
	Above 5 Cores upto 61 Cores x 4.0 Sq.mm

Application : These cables are designed for industrial use to provide high flexibility and have the capacity to with stand weather,mechanical and thermal stress,Applications include handling equipment,also use in several industrial environments and cold environments.

Standards:SANS 1574-5

Conductor: Flexible copper (Class 5) conductors to SANS:1411-1

Insulation : Rubber to SANS 1411-3

Insulation Colour : 1 Core: Green/Yellow,Black Blue,Brown,Grey,Red,White

2 Core: Red,Black

3 Core - Red,Yellow,Blue

4 Core - Red,Yellow,Blue,Black

5 Core - Red,Yellow,Blue,Black,Grey

Above 5 Cores- All Cores Shall be either Grey or Black with serial numbers printed on the cores from number one onwards.

Sheath:Rubber to SANS 1411-3

Sheath Colour : Black (Other Colour Required by Customer)

Technical Characteristic

Voltage Grade	600/1000 V
Test Voltage	3.0 kV for 5 Minute.
Spark Test Voltage	5 kV a.c
Insulation Volume Resistivity	Minimum 1×10^{14} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1, & 2
Maximum Conductor Temperature	:70°C
Short Circuit Rating:	:200°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, RUBBER ELECTRICAL CABLE, YEAR OF MANUFACTURING
Sequentail Length Marking	Shall be provided on outer sheath at every one Meter
Cable Length	100 Mtrs Coils or as per Requirement
Type of Packing	Coil Wrapped with Polyethylene and Wooden Drum Fully Packed with Lagging

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