



NEELKANTH CABLES LIMITED

1. FLEXIBLE COPPER CONDUCTOR

2. PVC INSULATION
3. PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

MULTICORE FLEXIBLE CABLE FOR INDUSTRIAL USE

Multicore Flexible Cords Description: Flexible Multistanded Copper Conductor, Flexible PVC Insulated, Overall Flexible PVC Outer

Sheathed Electric Cable.

Make NEELKANTH CABLES LIMITED

Reference Standard As per SANS:1574- 3

Voltage Grade 450/750 Volt
Operating Temperature 70°C
Max. Temp. During Short Circuit 160°C

Range of Product 2 Core 0.50 Sq.mm up to 5C X 300 Sq.mm

91 Cores Up to 4 sq.mm

Application: For Industrial use ,Heavy duty portable supply in dry premises,for motor connection,where flexible connection are required and all fixed wiring power applications.

Construction

Conductor: Flexible copper (Class 5) conductors to SANS:1411-1 **Insulation**: PVC (Polyvinyl Chloride) as per SANS: 1411-2 **Insulation Type**: General Purpose and Special Requirement HR.

Insulation Colour: 2 Core: Blue,Brown
3 Core - Green/Yellow,Blue,Brown,
4 Core - Green/Yellow,Blue,Brown,Black
5 Core - Green/Yellow,Blue,Brown,Black.Grey

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

Sheath: PVC (Polyvinyl Chloride) as per SANS: 1411-2

Type of Sheath: General Purpose and Special Requirement FR & LSFR

Sheath Colour: White (Other Colour Required by Customer)

Technical Characteristic

Voltage Grade 450/750 V
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 x 10¹³ 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, CU/PVC/PVC, 450/750V,

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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