



1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION
3. SOLID TINNED COPPER EARTH CONDUCTOR
4. ALUMINIUM MYLAR TAPE
5. PVC OUTER SHEATH

NEELKANTH CABLES LIMITED
DATA SHEET
MULTICORE SURFIX CABLE

Surfix Cable Description: Stranded or Solid Copper Conductor,PVC Insulated, PVC Outer Sheathed Overall AL. Mylar Tape Screened with Solid Tinned Copper ECC, Surfix Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-2 & ZS: 688-2
Voltage Grade	300/500 Volt
Operating Temperature	70°C
Max. Temp. During Short Circuit	160°C

Range of Product 2 Core 1.0 Sq.mm up to 4C X 10 Sq.mm

Application :Can be used for wiring in roof spaces,hollow walts,Under -plastering & surface wiring.

Standards:SANS 1507-2 & ZS 688-2

Conductor: Plain copper (Class 1 & 2) conductors to SANS:1411-1,

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

Insulation Type :General Purpose and Special Requirement HR,FR

Insulation Colour : 2 Core: RED,BLACK

3 Core - RED YELLOW,BLUE.

4 Core - RED YELLOW,BLUE,BLACK

SCREENING:Laid up Cores screened with aluminium/ mylar tape,Longitudinally applied with the metallic side down,in electrical contact with a annealed tinned copper earth continuity Conductor .

Type of Sheath:General Purpose and Special Requirement LSFRR

Sheath Colour : WHITE OR BLACK

Technical Characteristic

Voltage Grade	300/500 V
Test Voltage	2.250 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 1×10^{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, CU/PVC/PVC, 300/500V, SURFIX 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

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