



1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION
3. EARTH CONTINUITY CONDUCTOR
4. PVC OUTER SHEATH

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| NEELKANTH CABLES LIMITED |
| DATA SHEET |
| TWIN FLAT WITH EARTH CONTINUITY CONDUCTOR CABLES |

Cable Description : Stranded Copper Conductor,PVC Insulated,PVC Sheathed Twin Flat Cable With Bare Earth Continuity Conductor.

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 2C X 16 Sq.mm

Application : Can be used in Domestic wiring and can be installed in fixed installations in dry or damp premises clipped to surfaces, on trays or in free air where the risk of mechanical damage would not be an issue. Suitable for laying in conduit or trunking where mechanical protection is required.

Standards:SANS 1507-2 & ZS 688-2

Conductor: Solid (Class 1) & Stranded (Class 2) plain copper 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 : RED,BLACK or BLUE, BROWN

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

Type of Sheath:General Purpose and Special Requirement LSFR.

Sheath Colour : Grey

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, TWIN
 FLAT 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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