



1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION

NEELKANTH CABLES LIMITED
DATA SHEET
SINGLE CORE SOLID UNSHEATHED PANEL/CUBICLE CABLES

Single Core Cable Description : Solid Copper Conductor,PVC Insulated, Unsheathed Electric Panel/Cubicle Cables

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 Single Core 0.196 Sq.mm up to 2.011 Sq.mm

Application :Can be used in Pre-wired and nominally sealed subassemblies harnesses & Panel/ Cubicle .

Construction

Conductor: Solid (Class1) Annealed 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,& LSFR
Insulation Colour : RED ,YELLOW,BLUE ,BLACK and GREEN/YELLOW,Other Colour Available as per Requirement.

Technical Characteristic

Voltage Grade 300/500V
 Test Voltage 1.8 kV for 5 Minute.
 Spark Test Voltage 5 kV a.c (r.m.s)
 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
D = Overall Cable Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 300/500V, 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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