



1. STRANDED ALUMINIUM CONDUCTOR
2. XLPE INSULATION
3. FR PVC INNER SHEATH
4. FR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

TWO CORE XLPE UNARMoured REDUCED FLAME PROPAGATION (FR) LV POWER CABLE

Single Core Cable Description :Aluminium Conductor,XLPE Insulated,PVC-FR Inner Sheathed, Overall FR- PVC Outer Sheathed Low Voltage Cable.

Make NEELKANTH CABLES LIMITED
 Reference Standard As per SANS:1507-4, ZS-688-4, & BS 5467
 Voltage Grade 600/1000 Volt
 Operating Temperature 90°C
 Max. Temp. During Short Circuit 250°C

Range of Product 1.5 Sq.mm up to 500 Sq.mm

Application

These power and cables are used for electricity supply in low voltage installation system. they are well adapted to underground, outdoors, used in industrial applications where chemical and mechanical protections are needed .In particular for installation where fire,smoke emmission and toxic flumes create a potential threat.

Construction

Conductor Aluminium Conductor, round stranded or shaped class 2 to SANS 1411-1
 Insulation XLPE(Cross-linked Polyethylene)as per SANS 1411-4 & ZS 756 -4
 Insulation colour as per SANS 1507-4 & ZS 688-4 as per BS 5467
 2 Core : Red, Black 2 Core : Brown,Blue
 Filler (Optional) PVC or Polypropylene yarn
 Binder Tape (Optional) Polyester Tape
 Inner Sheath/Bedding PVC(Polyvinyl Chloride)as per SANS 1411-2
 Outer Sheath PVC(Polyvinyl Chloride)as per SANS 1411-2, colour: Black with Red Stripe or as per Requirement

Technical Characteristic

Voltage Grade 600/1000V
 Test Voltage Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute
 Spark Test Voltage Up to and including 16 Sq.mm 6 kV
 Up to and including 240 Sq.mm 10 kV
 Above 240 Sq.mm 12 kV
 Insulation Volume Resistivity Minimum 1×10^{14} Ohm-cm
 Temperature Rating -15°C to +90°C
 Flame Retardant SANS 60332 Part 1,2&3
 Minimum Installation Bending Radius 8 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/PVC-FR ELECTRIC CABLE , YEAR OF MANUFACTURING
 Sequentail Length Marking Shall be provided on outer sheath at every one Meter
 Cable Length Multiple of 250/500/1000 or as per Requirement
 Type of Drum Wooden Drum Fully Packed with Lagging

Data Sheet No.	10247	Page 1 of 1
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