



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

NEELKANTH CABLES LIMITED

DATA SHEET

FIVE 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 emmision 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
 5 Core : Red, Yellow,Blue,Black,Grey 5 Core : Green/Yellow,Brown,Blue,Black Grey

Filler (Optional) PVC or Polypropylene yarn

Binder Tape (Optional) Polyester Tape

Inner Sheath/Bedding PVC(Polyvinyal Chloride)as per SANS 1411-2

Outer Sheath PVC(Polyvinyal 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 Retardent 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

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