



1. COPPER CONDUCTOR
2. PVC INSULATION
3. FR PVC INNER SHEATH
4. FR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED
DATA SHEET
MULTICORE UNARMOURED REDUCED FLAME PROPAGATION (FR) LV CONTROL CABLE

MultiCore Cable Description : Copper Conductor,PVC Insulated,PVC-FR Inner Sheathed, Overall FR- PVC Outer Sheathed Low Voltage Unarmoured Control Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-3, ZS-688-3, & BS 6346
Voltage Grade	600/1000 Volt
Operating Temperature	70°C
Max. Temp. During Short Circuit	160°C

Range of Product 2C X 1.5 Sq.mm up to 91C X 4.0 Sq.mm

Application

These Auxiliary Control cables are used for electricity supply in low voltage installation system. They are well adapted to underground, outdoors, use in industrial applications where chemical and mechanical protections are needed.

Construction

Conductor	Copper conductor, round stranded or shaped class 2 to SANS 1411-1	
Insulation	PVC(Polyvinyl Chloride) as per SANS 1411-2 & ZS 756 -2	
Insulation colour	as per SANS 1507-3 & ZS 688-3 MultiCore : Grey or Black with Number Printing	as per BS 6346 MultiCore : White with Number Printing
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	3 kV for 5 Minute,
Spark Test Voltage	6 kV
Insulation Volume Resistivity	Minimum 1×10^{13} Ohm-cm
Temperature Rating	-15°C to +70°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 CU/PVC/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 Lugging

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