



1. FLEXIBLE COPPER CONDUCTOR
2. NITRILE PVC INSULATION
3. NITRILE PVC OUTER SHEATH

NEELKANTH CABLES LIMITED
DATA SHEET
SINGLE CORE ARC WELDING CABLE

Cable Description: Flexible Copper Conductor, Nitrile PVC Insulated, Overall Nitrile PVC Outer Sheathed Flexible Welding Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1576
Voltage Grade	100 Volt
Operating Temperature	70°C
Max. Temp. During Short Circuit	160°C

Range of Product 10 Sq.mm upto 300 Sq.mm

Application :For use in electric automatic/Manual welding machine.

Standards:SANS 1576

Conductor: Extra Flexible copper (Class 6) conductors to SANS:1411-1.

Insulation : PVC Nitrile (Polyvinyl Chloride as per SANS: 1411-2

Insulation Colour : GREEN, BLUE, GREY,RED,BROWN,YELLOW,BLACK.

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

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

Sheath Colour : GREEN, BLUE, GREY,RED,BROWN,YELLOW,BLACK.

Technical Characteristic

Voltage Grade	100 V
Test Voltage	3 kV for 60 Minute.
Spark Test Voltage	10 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
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, 100V, WELD FLEX 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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