



1. COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR INNER SHEATH
4. ALUMINIUM WIRE ARMOUR
5. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

SINGLE CORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Single Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Aluminium Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 Single Core 16 Sq.mm up to 1000 Sq.mm

Application

These power 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 1 Core : Red or as per Requirement	as per BS 6346 1 Core : Brown or as per Requirement
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Armour	Single Core : Aluminium Wire Armoured(AWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/PVC/AWA/PVC-LHFR 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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1. COPPER CONDUCTOR
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4. GALVANISED STEEL WIRE ARMOUR
5. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED DATA SHEET

TWO CORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Two Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 1.5 Sq.mm up to 500 Sq.mm

Application

These power 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 2 Core : Red, Black	as per BS 6346 2 Core : Brown,Blue
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Armour	Galvanised Steel Wire Armoured (SWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue Stripe or as per Requirement	

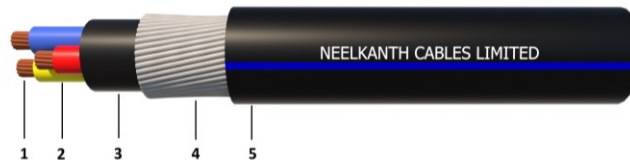
Technical Characteristic

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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Three Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 1.5 Sq.mm up to 500 Sq.mm

Application

These power 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 3 Core : Red, Yellow,Blue	as per BS 6346 3 Core : Brown,Black Grey
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Armour	Galvanised Steel Wire Armoured (SWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. POLYPROPYLENE TAPE
4. LHFR INNER SHEATH
5. GALVANISED STEEL WIRE ARMOUR
6. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE WITH REDUCED NEUTRAL ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Three Core with Redused Neutral Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 25 Sq.mm up to 500 Sq.mm

Application

These power 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(Polyvinyal Chloride)as per SANS 1411-2 & ZS 756 -2	
Insulation colour	as per SANS 1507-3 & ZS 688-3 3.5 Core : Red, Yellow,Blue,Black	as per BS 6346 3.5 Core : Brown,Blue,Black Grey
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyal Chloride) as per SANS 1411-2	
Armour	Galvanised Steel Wire Armoured (SWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyal Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FOUR CORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Four Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 1.5 Sq.mm up to 500 Sq.mm

Application

These power 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 4 Core : Red, Yellow,Blue,Black	as per BS 6346 4 Core : Brown,Blue,Black Grey
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Armour	Galvanised Steel Wire Armoured (SWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. COPPPER CONDUCTOR
2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FIVE CORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Five Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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 1.5 Sq.mm up to 500 Sq.mm

Application

These power 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 as per BS 6346 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	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2
Armour	Galvanised Steel Wire Armoured (SWA)
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED DATA SHEET

MULTICORE ARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV CONTROL CABLE

Multicore Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed,Galvanised Steel Wire Armoured, Overall LHFR- PVC Outer Sheathed Low Voltage 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	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Armour	Galvanised Steel Wire Armoured (SWA)	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/SWA/PVC-LHFR 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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1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

SINGLE CORE UNARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Single Core Cable Description : Copper Conductor,PVC Insulated, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 Single Core 16 Sq.mm up to 1000 Sq.mm

Application

These power 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 as per BS 6346 1 Core : Red or as per Requirement 1 Core : Brown or as per Requirement
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/PVC/PVC-LHFR 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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2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED DATA SHEET

TWO CORE UNARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Two Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 1.5 Sq.mm up to 500 Sq.mm

Application

These Power 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 as per BS 6346
 2 core: Red,Black 2 core: Blue,Brown

Filler (Optional) PVC or Polypropylene yarn

Binder Tape (Optional) Polyester Tape

Inner Sheath/Bedding LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2

Outer Sheath LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2
 colour: Black with Blue 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^{13} Ohm-cm
 Temperature Rating -15°C to +70°C
 Flame Retardent SANS 60332 Part 1,2&3
 Reduced Halogen Emission SANS 5956
 Minimum Installation Bending Radius 8 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/PVC/PVC-LHFR 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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1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED DATA SHEET

THREE CORE UNARMOURED REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Three Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 1.5 Sq.mm up to 500 Sq.mm

Application

These Power 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 3 core: Red, Yellow, Blue	as per BS 6346 3 core: Brown ,Black, Grey
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue Stripe or as per Requirement	

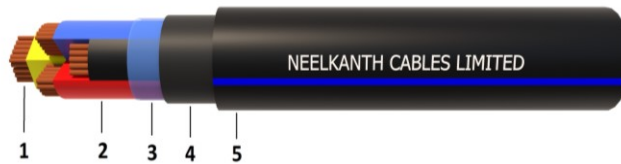
Technical Characteristic

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^{13} Ohm-cm
Temperature Rating	-15°C to +70°C
Flame Retardent	SANS 60332 Part 1,2&3
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/PVC-LHFR 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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1. STRANDED COPPER CONDUCTOR
2. PVC INSULATION
3. POLYPROPYLENE TAPE
4. LHFR PVC INNER SHEATH
5. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE WITH REDUCED NEUTRAL UNARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Three Core with Reduced Neutral Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 25 Sq.mm up to 500 Sq.mm

Application

These Power 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 as per BS 6346
 3.5 core: Red, Yellow, Blue, Black 3.5 core: Brown ,Blue, Black, Grey
 Filler (Optional) PVC or Polypropylene yarn
 Binder Tape (Optional) Polyester Tape
 Inner Sheath/Bedding LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2
 Outer Sheath LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
 Temperature Rating -15°C to +70°C
 Flame Retardent SANS 60332 Part 1,2&3
 Reduced Halogen Emission SANS 5956
 Minimum Installation Bending Radius 8 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. POLYPROPYLENE TAPE
4. FR PVC INNER SHEATH
5. GALVANISED STEEL WIRE ARMOUR
6. FR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FOUR CORE UNARMOURED REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Four Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 1.5 Sq.mm up to 500 Sq.mm

Application

These Power 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 as per BS 6346
 4 core: Red, Yellow, Blue, Black 4 core: Brown ,Blue,Black, Grey

Filler (Optional) PVC or Polypropylene yarn

Binder Tape (Optional) Polyester Tape

Inner Sheath/Bedding LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2

Outer Sheath LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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^{13} Ohm-cm
 Temperature Rating -15°C to +70°C
 Flame Retardent SANS 60332 Part 1,2&3
 Reduced Halogen Emission SANS 5956
 Minimum Installation Bending Radius 8 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/PVC-LHFR 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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1. COPPPER CONDUCTOR
2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED
DATA SHEET

FIVE CORE UNARMOURED REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV POWER CABLE

Five Core Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- PVC Outer Sheathed Low Voltage Unarmoured 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 1.5 Sq.mm up to 500 Sq.mm

Application

These Power 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(Polyvinyal Chloride)as per SANS 1411-2 & ZS 756 -2

Insulation colour as per SANS 1507-3 & ZS 688-3 as per BS 6346
 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 LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyal Chloride) as per SANS 1411-2

Outer Sheath LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyal Chloride) as per SANS 1411-2
 colour: Black with Blue 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^{13} Ohm-cm
 Temperature Rating -15°C to +70°C
 Flame Retardent SANS 60332 Part 1,2&3
 Reduced Halogen Emission SANS 5956
 Minimum Installation Bending Radius 8 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/PVC-LHFR 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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1. COPPER CONDUCTOR
2. PVC INSULATION
3. LHFR PVC INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. LHFR PVC OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

MULTICORE UNARMoured REDUCED HALOGEN EMISSION AND REDUCED FLAME PROPAGATION (LHFR) LV CONTROL CABLE

Multicore Cable Description : Copper Conductor,PVC Insulated,PVC-LHFR Inner Sheathed, Overall LHFR- 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	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2	
Outer Sheath	LHFR-PVC(Reduced Halogen Emission & Reduced Flame Propagation Polyvinyl Chloride) as per SANS 1411-2 colour: Black with Blue 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
Reduced Halogen Emission	SANS 5956
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V CU/PVC/PVC-LHFR 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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