



1. COPPER CONDUCTOR
2. XLPE INSULATION
3. NHLsFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. NHLsFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

TWO CORE XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLsFR) LV POWER CABLE

Two Core Cable Description : Copper Conductor,XLPE Insulated,NHLsFR(Polyolefin) Inner Sheathed,Galvanised Steel Wire Armoured, Overall NHLsFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Make NEELKANTH CABLES LIMITED
 Reference Standard As per SANS:1507-5, ZS-688-5
 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 Copper 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 1507-5 & ZS 688-5
 2 Core : Red, Black
 Filler (Optional) PVC or Polypropylene yarn
 Binder Tape (Optional) Polyester Tape
 Inner Sheath/Bedding NHLsFR(Zero Halogen EmissionReduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 Armour Galvanised Steel Wire Armoured(SWA)
 Outer Sheath NHLsFR(Zero Halogen EmissionReduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 colour: Black with White Stripe or as per Requirement

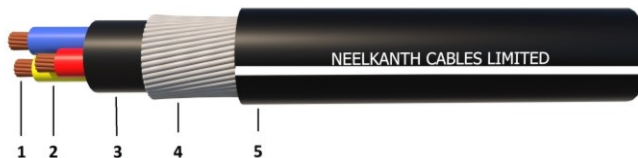
Technical Characteristic

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 -3
 Reduced Smoke Emission SANS 61034-2
 Halogen Gas SANS 60754-2
 Minimum Installation Bending Radius 10 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLsFR 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. XLPE INSULATION
3. NHLSFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. NHLSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLSFR) LV POWER CABLE

Three Core Cable Description : Copper Conductor,XLPE Insulated,NHLSFR(Polyolefin) Inner Sheathed,Galvanised Steel Wire Armoured, Overall NHLSFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Make NEELKANTH CABLES LIMITED
 Reference Standard As per SANS:1507-5, ZS-688-5
 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 Copper 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 1507-5 & ZS 688-5
 3 Core : Red, Yellow, Blue
 Filler (Optional) PVC or Polypropylene yarn
 Binder Tape (Optional) Polyester Tape
 Inner Sheath/Bedding NHLSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 Armour Galvanised Steel Wire Armoured(SWA)
 Outer Sheath NHLSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 colour: Black with White 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 -3
 Reduced Smoke Emission SANS 61034-2
 Halogen Gas SANS 60754-2
 Minimum Installation Bending Radius 10 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLSFR 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. XLPE INSULATION
3. POLYPROPYLENE TAPE
4. NHLsFR INNER SHEATH
5. GALVANISED STEEL WIRE ARMOUR
6. NHLsFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE WITH REDUCED NEUTRAL XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLsFR) LV POWER CABLE

Three Core with Reduced Neutral Cable Description : Copper Conductor,XLPE Insulated,NHLsFR(Polyolefin) Inner Sheathed,Galvanised Steel Wire Armoured, Overall NHLsFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Make NEELKANTH CABLES LIMITED
 Reference Standard As per SANS:1507-5, ZS-688-5
 Voltage Grade 600/1000 Volt
 Operating Temperature 90°C
 Max. Temp. During Short Circuit 250°C

Range of Product 25 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 emission and toxic flumes create a potential threat.

Construction

Conductor Copper 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 1507-5 & ZS 688-5
 3.5 Core : Red, Yellow, Blue, Black
 Filler (Optional) PVC or Polypropylene yarn
 Binder Tape (Optional) Polyester Tape
 Inner Sheath/Bedding NHLsFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 Armour Galvanised Steel Wire Armoured(SWA)
 Outer Sheath NHLsFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
 colour: Black with White 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 -3
 Reduced Smoke Emission SANS 61034-2
 Halogen Gas SANS 60754-2
 Minimum Installation Bending Radius 10 x Overall Diameter

Marking & Packing

Marking over the sheath NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLsFR 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. XLPE INSULATION
3. POLYPROPYLENE TAPE
4. NHLFSFR INNER SHEATH
5. GALVANISED STEEL WIRE ARMOUR
6. NHLFSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FOUR CORE XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLFSFR) LV POWER CABLE

Four Core Cable Description : Copper Conductor,XLPE Insulated,NHLFSFR(Polyolefin) Inner Sheathed,Galvanised Steel Wire Armoured, Overall NHLFSFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
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	Copper 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 1507-5 & ZS 688-5 4 Core : Red, Yellow, Blue, Black
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Inner Sheath/Bedding	NHLFSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
Armour	Galvanised Steel Wire Armoured(SWA)
Outer Sheath	NHLFSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5 colour: Black with White 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 -3
Reduced Smoke Emission	SANS 61034-2
Halogen Gas	SANS 60754-2
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLFSFR 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. XLPE INSULATION
3. NHLFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. NHLFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FIVE CORE XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLFR) LV POWER CABLE

Five Core Cable Description : Copper Conductor,XLPE Insulated,NHLFR(Polyolefin) Inner Sheathed,Galvanised Steel Wire Armoured, Overall NHLFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
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 emission and toxic fumes create a potential threat.

Construction

Conductor	Copper 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 1507-5 & ZS 688-5 5 Core : Red, Yellow, Blue, Black, Grey
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Inner Sheath/Bedding	NHLFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
Armour	Galvanised Steel Wire Armoured(SWA)
Outer Sheath	NHLFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5 colour: Black with White 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 -3
Reduced Smoke Emission	SANS 61034-2
Halogen Gas	SANS 60754-2
Minimum Installation Bending Radius	10 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLFR 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. XLPE INSULATION
3. NHLSFR INNER SHEATH
4. GALVANISED STEEL WIRE ARMOUR
5. NHLSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

MULTICORE XLPE ARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLSFR) LV CONTROL CABLE

Multicore Cable Description : Copper Conductor, XLPE Insulated, NHLSFR (Polyolefin) Inner Sheathed, Galvanised Steel Wire Armoured, Overall NHLSFR (Polyolefin) Outer Sheathed Low Voltage Control Cable.

Make: NEELKANTH CABLES LIMITED
 Reference Standard: As per SANS:1507-5, ZS-688-5
 Voltage Grade: 600/1000 Volt
 Operating Temperature: 90°C
 Max. Temp. During Short Circuit: 250°C

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

Application

These Auxiliary Control 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 emission and toxic flumes create a potential threat.

Construction

Conductor: Copper 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 1507-5 & ZS 688-5
 MultiCore : Grey or Black with Number Printing
 Filler (Optional): PVC or Polypropylene yarn
 Binder Tape (Optional): Polyester Tape
 Inner Sheath/Bedding: NHLSFR (Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation, Polyolefin) as per SANS 1411-5
 Armour: Galvanised Steel Wire Armoured (SWA)
 Outer Sheath: NHLSFR (Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation, Polyolefin) as per SANS 1411-5
 colour: Black with White 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 -3
 Reduced Smoke Emission: SANS 61034-2
 Halogen Gas: SANS 60754-2
 Minimum Installation Bending Radius: 10 x Overall Diameter

Marking & Packing

Marking over the sheath: NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/SWA/NHLSFR 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. XLPE INSULATION
3. NHLSFR INNER SHEATH
4. NHLSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

TWO CORE XLPE UNARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLSFR) LV POWER CABLE

Two Core Cable Description : Copper Conductor, XLPE Insulated, NHLSFR (Polyolefin) Inner Sheathed, Overall NHLSFR (Polyolefin) Outer Sheathed Low Voltage Unarmoured Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
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 emission and toxic fumes create a potential threat.

Construction

Conductor	Copper 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 1507-5 & ZS 688-5 2 Core : Red, Black
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Inner Sheath/Bedding	NHLSFR (Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation, Polyolefin) as per SANS 1411-5
Outer Sheath	NHLSFR (Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation, Polyolefin) as per SANS 1411-5 colour: Black with White 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 -3
Reduced Smoke Emission	SANS 61034-2
Halogen Gas	SANS 60754-2
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES, CABLE SIZE, 600/1000V, CU/XLPE/NHLSFR 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. XLPE INSULATION
3. NHLSFR INNER SHEATH
4. NHLSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

THREE CORE XLPE UNARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLSFR) LV POWER CABLE

Three Core Cable Description : Copper Conductor,XLPE Insulated,NHLSFR(Polyolefin) Inner Sheathed, Overall NHLSFR(Polyolefin) Outer Sheathed Low Voltage Unarmoured Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
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 emission and toxic flumes create a potential threat.

Construction

Conductor	Copper 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 1507-5 & ZS 688-5 3 Core : Red, Yellow,Blue
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Inner Sheath/Bedding	NHLSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
Outer Sheath	NHLSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5 colour: Black with White 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 -3
Reduced Smoke Emission	SANS 61034-2
Halogen Gas	SANS 60754-2
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/NHLSFR 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 Laggging

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1. STRANDED COPPER CONDUCTOR
2. XLPE INSULATION
3. NHLFSFR INNER SHEATH
4. NHLFSFR OUTER SHEATH

NEELKANTH CABLES LIMITED

DATA SHEET

FIVE CORE XLPE UNARMoured ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLFSFR) LV POWER CABLE

Five Core Cable Description : Copper Conductor,XLPE Insulated,NHLFSFR(Polyolefin) Inner Sheathed, Overall NHLFSFR(Polyolefin) Outer Sheathed Low Voltage Unarmoured Cable.

Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
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 emission and toxic flumes create a potential threat.

Construction

Conductor	Copper 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 1507-5 & ZS 688-5 4 Core : Red, Yellow,Blue, Black, Grey
Filler (Optional)	PVC or Polypropylene yarn
Binder Tape (Optional)	Polyester Tape
Inner Sheath/Bedding	NHLFSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5
Outer Sheath	NHLFSFR(Zero Halogen Emission Reduced Smoke Emission and Reduced Flame Propagation,Polyolefin) as per SANS 1411-5 colour: Black with White 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 -3
Reduced Smoke Emission	SANS 61034-2
Halogen Gas	SANS 60754-2
Minimum Installation Bending Radius	8 x Overall Diameter

Marking & Packing

Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, CU/XLPE/NHLFSFR 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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