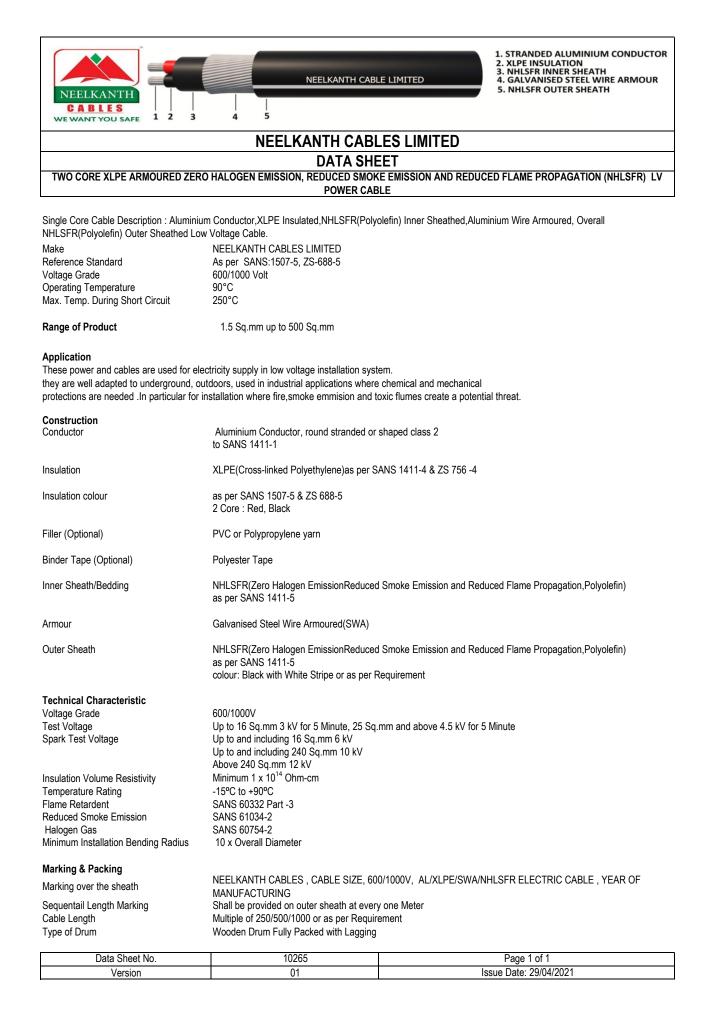
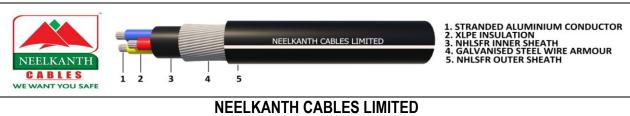


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DATA SHEET

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

Single Core Cable Description : Aluminium Conductor,XLPE Insulated,NHLSFR(Polyolefin) Inner Sheathed,Aluminium 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

Version

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 1507-5 & 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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 10 x Overall Diameter	
Marking & Packing Marking over the sheath Sequentail Length Marking Cable Length Type of Drum	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/SWA/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging	
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01

Issue Date: 29/04/2021



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

Range of Product

...

Version

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 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 S	ANS 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 as per SANS 1411-5	d Smoke Emission and Reduced Flame Propagation, Polyolefin)
Armour	Galvanised Steel Wire Armoured(SWA)	
Outer Sheath	NHLSFR(Zero Halogen Emission Reducer as per SANS 1411-5 colour: Black with White Stripe or as per F	d Smoke Emission and Reduced Flame Propagation,Polyolefin) 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 x 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, AL/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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Issue Date: 29/04/2021

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Reference Standard Voltage Grade Operating Temperature Max. Temp. During Short Circuit NEELKANTH CABLES LIMI As per SANS:1507-5, ZS-68 600/1000 Volt 90°C 250°C

Range of Product

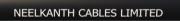
1.5 Sq.mm up to 500 Sq.mm

Application

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 1507-5 & ZS 688-5 4 Core : Red, Yellow, Blue, Black	
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
Inner Sheath/Bedding	NHLSFR(Zero Halogen Emission Reduce as per SANS 1411-5	d Smoke Emission and Reduced Flame Propagation, Polyolefin)
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 10 x Overall Diameter	
Marking & Packing Marking over the sheath Sequentail Length Marking Cable Length Type of Drum	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/SWA/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging	
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1. STRANDED ALUMINIUM CONDUCTOR 2. XLPE INSULATION 3. NHLSFR INNER SHEATH 4. GALVANISED STEEL WIRE ARMOUR 5. NHLSFR OUTER SHEATH

Issue Date: 29/04/2021

NEELKANTH CABLES LIMITED

DATA SHEET

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

Single Core Cable Description : Aluminium Conductor,XLPE Insulated,NHLSFR(Polyolefin) Inner Sheathed,Aluminium Wire Armoured, Overall NHLSFR(Polyolefin) Outer Sheathed Low Voltage Cable.

MakeNEELKANTH CABLES LIMITEDReference StandardAs per SANS:1507-5, ZS-688-5Voltage Grade600/1000 VoltOperating Temperature90°CMax. Temp. During Short Circuit250°C

Range of Product

1.5 Sq.mm up to 500 Sq.mm

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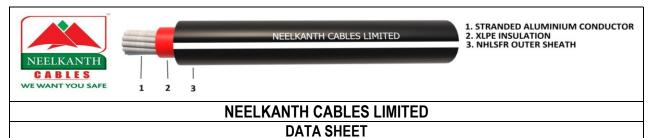
Application

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 1507-5 & ZS 688-5 5 Core : Red, Yellow, Blue, Black, Grey	I contraction of the second	
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 10 x Overall Diameter		
Marking & Packing Marking over the sheath Sequentail Length Marking Cable Length Type of Drum	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/SWA/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging		
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Version



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

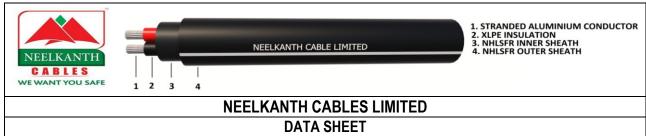
Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR(Polyolefin) Inner Sheathed, Overall NHLSFR(Polyolefin) Outer Sheathed Low Voltage Cable.

Range of Product Single Core 16 Sq.mm up to 1000 Sq.mm

Application

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 1507-5 & ZS 688-5 1 Core : Red or as per Requirement	
Filler (Optional)	PVC or Polypropylene yarn	
Binder Tape (Optional)	Polyester Tape	
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 8 x Overall Diameter	
Marking & Packing	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF	
Marking over the sheath Sequentail Length Marking	MANUFACTURING 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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TWO CORE XLPE UNARMOURED ZERO HALOGEN EMISSION, REDUCED SMOKE EMISSION AND REDUCED FLAME PROPAGATION (NHLSFR) LV POWER CABLE

Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR(Polyolefin) Inner Sheathed, 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

Version

1.5 Sq.mm up to 500 Sq.mm

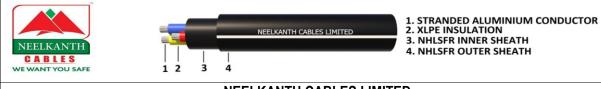
Application

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 14	11-4 & 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 as per SANS 1411-5	Emission and Reduced Flame Propagation, Polyolefin)
Outer Sheath	NHLSFR(Zero Halogen Emission Reduced Smoke as per SANS 1411-5 colour: Black with White Stripe or as per Requiren	e Emission and Reduced Flame Propagation,Polyolefin) nent
Technical Characteristic Voltage Grade Test Voltage Spark Test Voltage	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV	above 4.5 kV for 5 Minute
Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 8 x Overall Diameter	
Marking & Packing		
Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING	
Sequentail Length Marking	Shall be provided on outer sheath at every one Meter	
Cable Length Type of Drum	Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging	
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Issue Date: 29/04/2021



NEELKANTH CABLES LIMITED

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

Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR (Polyolefin) Inner Sheathed, 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

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 1507-5 & ZS 688-5 3 Core : Red, Yellow,Blue			
Filler (Optional)	PVC or Polypropylene yarn	PVC or Polypropylene yarn		
Binder Tape (Optional)	Polyester Tape	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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 8 x Overall Diameter			
Marking & Packing				
Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING			
Sequentail Length Marking Cable Length Type of Drum	Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging			
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NEELKANTH CABLES LIMITED

DATA SHEET

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

Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR(Polyolefin) Inner Sheathed, 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

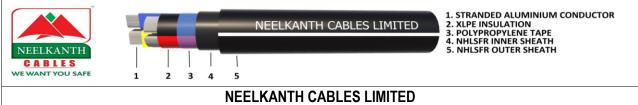
Range of Product

25 Sq.mm up to 500 Sq.mm

Application

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 1507-5 & 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	
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	$\begin{array}{l} 600/1000V\\ Up \ to \ 16 \ Sq.mm \ 3 \ kV \ for \ 5 \ Minute, \ 25 \ Sq.mm \ and \ above \ 4.5 \ kV \ 10 \ Up \ to \ and \ including \ 16 \ Sq.mm \ 6 \ kV \ Up \ to \ and \ including \ 240 \ Sq.mm \ 10 \ kV \ Above \ 240 \ Sq.mm \ 12 \ kV \ Minimum \ 1 \ x \ 10^{14} \ Ohm-cm \ -15^{\circ}C \ to \ +90^{\circ}C \ SANS \ 60332 \ Part \ -3 \ SANS \ 61034-2 \ SANS \ 60754-2 \ 8 \ x \ Overall \ Diameter \ Above \ Above$	for 5 Minute
Marking & Packing		
Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING	
Sequentail Length Marking Cable Length Type of Drum	Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging	
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DATA SHEET

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

Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR(Polyolefin) Inner Sheathed, Overall NHLSFR(Polyolefin) Outer Sheathed Low Voltage Cable.

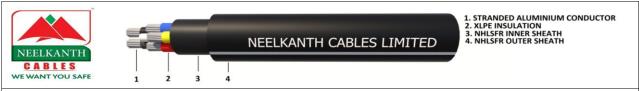
Make	NEELKANTH CABLES LIMITED
Reference Standard	As per SANS:1507-5, ZS-688-5
Voltage Grade	600/1000 Volt
Operating Temperature	90°C
Max. Temp. During Short Circuit	250°C

Range of Product

1.5 Sq.mm up to 500 Sq.mm

Application

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 1507-5 & ZS 688-5 4 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		
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 8 x Overall Diameter		
Marking & Packing			
Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING		
Sequentail Length Marking Cable Length Type of Drum	Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging		
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NEELKANTH CABLES LIMITED

DATA SHEET

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

Single Core Cable Description : Aluminium Conductor, XLPE Insulated, NHLSFR(Polyolefin) Inner Sheathed, Aluminium 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

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 1507-5 & ZS 688-5 4 Core : Red, Yellow,Blue, Black, Grey		
Filler (Optional)	PVC or Polypropylene yarn		
Binder Tape (Optional)	Polyester Tape		
Inner Sheath/Bedding	NHLSFR(Zero Halogen Emission Reduced Smoke Emission and as per SANS 1411-5	Reduced Flame Propagation,Polyolefin)	
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 Test Voltage Spark Test Voltage Insulation Volume Resistivity Temperature Rating Flame Retardent Reduced Smoke Emission Halogen Gas Minimum Installation Bending Radius	600/1000V Up to 16 Sq.mm 3 kV for 5 Minute, 25 Sq.mm and above 4.5 kV for 5 Minute Up to and including 16 Sq.mm 6 kV Up to and including 240 Sq.mm 10 kV Above 240 Sq.mm 12 kV Minimum 1 x 10 ¹⁴ Ohm-cm -15°C to +90°C SANS 60332 Part -3 SANS 61034-2 SANS 60754-2 8 x Overall Diameter		
Marking & Packing			
Marking over the sheath	NEELKANTH CABLES , CABLE SIZE, 600/1000V, AL/XLPE/NHLSFR ELECTRIC CABLE , YEAR OF MANUFACTURING		
Sequentail Length Marking Cable Length Type of Drum	Shall be provided on outer sheath at every one Meter Multiple of 250/500/1000 or as per Requirement Wooden Drum Fully Packed with Lagging		
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