

NEXANS CABLE PRODUCT OVERVIEW

YXC8VZ3V-R

3x95/16 mm²

Nexans ref.: [22 H0395T 2B10118A12E000](#)

8,7/15 kV XLPE insulated steel wire armoured, three core cables with copper conductor

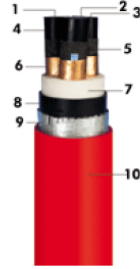
DESCRIPTION

Application:

These are cables with low dielectric losses used in energy networks with sudden load changes where mechanical stresses expected. Laid in residential or industrial areas, underground or in ducts.

Construction:

1. Conductor:Copper
2. Conductor screen:Semi-conducting compound(XLPE)
3. Insulation:XLPE
4. Insulation screen:Semi-conducting compound(XLPE)
5. Semi-conducting tape:Crape paper
6. Metallic screen:Concentric / copper wire + copper tape
7. Filler:PVC
8. Separation sheath:PVC
9. Armour:Single layer galvanized flat steel wire + steel tape
10. Outer sheath:PVC



STANDARDS

National TS IEC 60502

YVZ3V

3x185+1G95 mm²

Nexans ref.: [12 A3A8DC 2110008A11L000](#)

0,6/1 kV PVC insulated steel wire armoured multi-core cables with copper conductor

DESCRIPTION

Application:

Is most suitable in areas where mechanical damage is a possibility. Can be laid outdoors, indoors, underground and in ducts.

Construction:

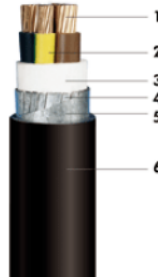
1. Conductor:Copper
2. Insulation:PVC
3. Filler:PVC
4. Armour:Galvanized flat steel wires
5. Tape:Steel binding tape
6. Outer Sheath:PVC

Core identification:

Brown,Black, Grey+Green/Yellow

Marking:

NEXANS IEC 60502 NYFGY 3X95+1G50 0,6/1 kV 2012 (Meter)



STANDARDS

International IEC 60502

National DIN VDE 0271;
TS IEC 60502

NEXANS CABLE PRODUCT OVERVIEW

CU/XLPE/AWA/PVC

N2XR(AL)Y (IEC), YXY2V (TSE)

0,6/1 kV XLPE insulated aluminium wire armoured single core PVC sheathed cable with copper conductors.

DESCRIPTION

Applications:

These cables with a low dielectric loss coupled with mechanical resistance are mainly used in energy networks with sudden load change residential or industrial areas. Can be laid outdoors, under grounds and in areas where sudden mechanical stress are expected.

Construction:

1. Conductor:Copper
2. Insulation:XLPE
3. Inner sheath:PVC
4. Armour:Single layer Aluminium wire
5. Outer sheath:PVC

Marking

ELECTRIC CABLE 600/1000 V BS 5467 H NEXANS i

Nb. of cores x cross section "YEAR" BASEC

STANDARDS

International IEC 60502

National BS 5467;
TS IEC 60502

NEXANS CABLE PRODUCT OVERVIEW

IEC 60502-1 Armoured (GSTA) Fire retardant

- 0.6/1 kV Power and control cables
- Armoured with galvanized steel tapes (GSTA) or aluminium tapes (ATA)
- Oil resistant

DESCRIPTION

Applications

These power and control cables are used for electricity supply in **low voltage installation system**. They are well adapted to underground use in industrial applications where **chemical and mechanical protections are needed** (refinery areas, chemical plants...).

Design

Conductor:

Solid plain copper: 1.5 to 4 mm²

Stranded plain copper: 1.5 to 630 mm²

Insulation:

Cross-linked polyethylene (XLPE)

Bedding(optional):

Inner sheath acting as a filler with practically zero thickness or assembling polyester tape

Inner covering (inner sheath):

Polyvinyl chloride (PVC). Colour: black

Armour:

Galvanized steel tapes (GSTA) or aluminium tapes (ATA) for 1 core cable

Outer sheath:

Polyvinyl chloride (PVC). Colour: black. Other colour on request.

Core identification

1 core: black

2x to 5G cores: according to HD 308 S2

Above 5 cores: black core printed with white number

Marking

NEXANS 279 XLPE/PVC/ATA or GSTA/PVC 0.6/1 kV Nber of cores and cross section
Cu IEC 60332-3-22(A) MM YYYY manufacturing number + meter marking



STANDARDS

International IEC 60228;
IEC 60332-3-22 Cat.A;
IEC 60502-1

NEXANS CABLE PRODUCT OVERVIEW

IEC 60502-2 Armoured (GSTA) Fire retardant

- Power cables 3.6/6 (7.2) kV, 6/10 (12) kV, 8.7/15 (17.5) kV, 12/20 (24) kV, 18/30 (36) kV
- Armoured with galvanized steel tapes (GSTA) or aluminium tapes (ATA)
- Oil resistant.

DESCRIPTION

Applications

These power cables are used for electricity supply in **medium voltage installation system**. They are well adapted to underground use in industrial applications where **chemical and mechanical protection are needed** (refinery areas, chemical plants...).

Design

Conductor:

Stranded bare copper (class 2)

Semi-conductor

Insulation:

Cross-linked polyethylene (XLPE)

Semi-conductor

Screen:

Copper tape

Bedding (Optional):

An inner sheath acting as a filler with practically zero thickness

Inner sheath:

Polyvinyl chloride (PVC)

Armour:

Galvanized steel tapes (GSTA) or aluminium tapes (ATA) for 1 core cable

Outer sheath:

Polyvinyl chloride (PVC). Colour: red. Other colour on request.

Core identification



STANDARDS

International IEC 60228;
IEC 60332-3-22 Cat.A;
IEC 60502-2

NEXANS CABLE PRODUCT OVERVIEW

NX 100

NX100 1G6 mm²

Nexans ref.: [10517930](#)

Country ref.: TR

EAN 13: 8680969050524

450/750V halogen free, fire resistant cables

DESCRIPTION

Application

Fire alarm systems emergency lighting, power safety circuits when installed in conduits or protected trunking.

Construction

1. Conductor : Copper
2. Fire barrier : Mica tape
3. Insulation : XL-HFFR

Marking

NEXANS | ALSECURE PLUS NX100 Number of cores x cross section 450/750 V
IEC 60331-21 BS 6387 CAT. CWZ LPCB 946b/01



STANDARDS

International IEC 60331

YVV

YVV (NYY) 1G95 mm²

Nexans ref.: [10536397](#)

Country ref.: TR

EAN 13: 8680969080149

0.6/1 kV PVC insulated, single core cables with copper conductor

DESCRIPTION

Application:

Used as lighting and power distribution cable. Installed in areas where severe mechanical stress is avoided. Can be laid in doors, out-doors, buried or in trenches

Construction:

1. Conductor: Copper
2. Insulation: PVC
3. Outer sheath: PVC

Marking:

<TSE> NEXANS TS IEC 60502 YVV Number of cores x cross section 0,6/1 kV
"YEAR"



STANDARDS

International IEC 60502-1

National TS IEC 60502

NEXANS CABLE PRODUCT OVERVIEW

YXC8VZ3V-R

N2XSEYFGY

8,7/15 kV XLPE insulated steel wire armoured, three core cables with copper conductor

DESCRIPTION

Application:

These are cables with low dielectric losses used in energy networks with sudden load changes where mechanical stresses expected. Laid in residential or industrial areas, underground or in ducts.

Construction:

1. Conductor: Copper
2. Conductor screen: Semi-conducting compound (XLPE)
3. Insulation: XLPE
4. Insulation screen: Semi-conducting compound (XLPE)
5. Semi-conducting tape: Crape paper
6. Metallic screen: Concentric / copper wire + copper tape
7. Filler: PVC
8. Separation sheath: PVC
9. Armour: Single layer galvanized flat steel wire + steel tape
10. Outer sheath: PVC



STANDARDS

National TS IEC 60502

YXV / N2XY

YXV (N2XY) 3X35+1G16 mm²

Nexans ref.: [10533575](#)

Country ref.: TR

EAN 13: 8680969074599

YXV (N2XY)

DESCRIPTION

Application

These cables have a low dielectric loss, used in energy networks with sudden load changes. Installed mainly in residential or industrial areas. May be laid outdoors, underground or in ducts.

Construction

1. Conductor : Copper
2. Insulation : XLPE
3. Bedding : PVC
4. Outer Sheath: PVC

Marking

N2XY: NEXANS IEC 60502 N2XY

Number of cores x cross section 0.6/1 kV 2017

YXV: ◊TSE◊ NEXANS TS IEC 60502 YXV

Number of cores x cross section 0.6/1 kV 2017



STANDARDS

International IEC 60502-1

National TS IEC 60502