



- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- Aliphatic and aromatic hydrocarbons resistant

STANDARDS

Test IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross - linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black



Uo/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



Fire retardant
EN IEC
60332-3-22
Cat.A



Chemical
resistance
Aliphatic
hydrocarbons
resistant



Electro magnetic
interference
resistant
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service



Min. dynamic
operating bending
306.0 mm

Other colour on request.
Core identification

Pair: white - black
Quad (white, black - red, blue)
White core marked with pair number

Marking

NEXANS 279 XLPE/OS-SCR/PVC/LC/PVC/SWA/PVC 170/300V Nber of pairs & cross section in IEC 60332-3-22 Cat.A 30x2x0,5mm YYY Manufacturing number + metric marking
All drawings, designs, specifications, plans and particulars of weights, size and dimensions shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

Standards

CONTACT

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CHARACTERISTICS

| | |
|--|---|
| | 2 () |
| | XLPE(가) |
| Overall screen | Tinned copper drain wire + aluminium/polyester tape |
| Lead Sheath | Yes |
| Intermediate sheath | PVC |
| Armour type | |
| Protection | Yes |
| Number of pairs | 30 |
| | 0.5 mm ² |
| | 0.9 mm |
| Diameter over insulation | 1.38 mm |
| Diameter over inner sheath | 18.3 mm |
| Diameter over lead sheath | 20.7 mm |
| Diameter over intermediate sheath | 22.7 mm |
| Diameter over armour | 25.2 mm |
| Minimum outer diameter | 27.7 mm |
| Maximum outer diameter | 30.6 mm |
| () | 2063 kg/km |
| U _o /U (Um) | 170/300V |
| Mechanical resistance to impacts | Good |
| Fire retardant | EN IEC 60332 - 3 - 22 (cat A) |
| Chemical resistance | Aliphatic and aromatic hydrocarbons resistant |
| Electro magnetic interference resistance | Yes |
| 操作度范 | - 20 ... 60 ° C |
| Max. conductor temperature in service | 90 ° C |
| Minimum dynamic operating bending radius | 306.0 mm |
| Standard | EN |

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332 - 1 or IEC 60332 - 3 - 24(C) on request.



U_o/U
170/300V



Mechanical
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impacts
Good



Fire retardant
EN IEC
60332 - 3 - 22 (cat
A)



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Aliphatic and
aromatic
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resistant



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C



Min. dynamic
operating bending
rad.
306.0 mm

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Uo/U
(Um)
170/300V



Mechanical
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impacts
Good



Fire retardant
EN IEC
60332 - 3 - 22 (cat
A)



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90 ° C



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operating bending
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