



Reference: 10186718
EAN 13: 3427580519550

CONTACT

Market information
industryprojects.business@lynx^{eo}.group.com

- 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
Cat. A)



Other colour on request.
Core identification
Pair: white/black
Quad: white/black - red/blue
White core marked with pair number
resistant



Electro magnetic
interference
resistant
Yes



Operating temp.
-20 ... 60 °C



Max. conductor
temp. in service



Min. dynamic
operating bending
245.0 mm

Marking

NEXANS 279 XLPE/CA-SCR/PVC/LC/PVC/SWA/PVC 170/300V, Number of pairs & dimensions in IEC 60332-3 or 22(A) Min. dynamic operating bending radius marking and shall not be binding on Lynx^{eo} or be treated as constituting a representation on the part of Lynx^{eo}.

Standards

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	5
	1.5 mm ²
	1.5 mm
Diameter over insulation	2.16 mm
Diameter over inner sheath	13 mm
Diameter over lead sheath	15.2 mm
Diameter over intermediate sheath	17.2 mm
Diameter over armour	19.7 mm
Minimum outer diameter	22.2 mm
Maximum outer diameter	24.5 mm
()	1407 kg/km
Uo/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	245.0 mm
Standard	EN

SELLING AND DELIVERY INFORMATION

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



Uo/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



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C



Min. dynamic
operating bending
rad.
245.0 mm

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



U₀/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



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



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Aliphatic and
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Electro magnetic
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