



CONTACT

Market information
industryprojects.business@lynxgroup.com

- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- Oil resistant

STANDARDS

Test IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These Instrumentation and communication are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). The individual screening of each pair limits the consequence of crosstalk.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross - linked polyethylene (XLPE)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request



U_o/U (Um)
170/300V



Mechanical
resistance to
impacts
Good



Core identification
Pair: white - black
Wire retardant
EN IEC 60332 - 3 - 22 (cat A) Yes



Marking

NEXANS 279 XLPE/IND.+OA.SCR/PVC/SWA/PVC 170/300V Nber of pairs & cross - section Cu IEC 60332 - 3 - 22(A) MM YYYY Manufacturing number + metric marking



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max.conductor
temp.in service
90 ° C

CHARACTERISTICS

	2 ()	
	XLPE(가)	
Individual screen	Tinned copper drain wire + aluminium/polyester tape	
Overall screen	Tinned copper drain wire + aluminium/polyester tape	
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	19.8 mm	
Diameter over armour	22.3 mm	
Minimum outer diameter	24.7 mm	
Maximum outer diameter	27.3 mm	
()	1261 kg/km	
U _o /U (U _m)	170/300V	
Mechanical resistance to impacts	Good	
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)	
Oil resistance	Yes	
Electro magnetic interference resistance	Yes	
操作度范	- 20 ... 60 ° C	
Max. conductor temperature in service	90 ° C	
Standard	EN	

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations



U_o/U (U_m)
170/300V



Mechanical resistance to impacts
Good



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



Oil resistance
Yes



Electro magnetic interference resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor temp. in service
90 ° C

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)



Oil resistance
Yes



Electro magnetic
interference
resistance
Yes



Operating temp.
-20 ... 60 °C



Max. conductor
temp. in service
90 °C