



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

## STANDARDS

Test IEC 60332 - 3 - 22 Cat.A

## APPLICATIONS

These instrumentation and communication cable are used to transmit analogue or digital signals in measurement and process control where chemicals may be present. 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

### Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

Other colour on request.

## Core identification

Pair: white - black

White core printed with pair number

## Marking

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

## CONTACT

Market information  
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Uo/U (Um)  
170/300V



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



Oil resistance



Electro magnetic  
interference resistance



Operating temp.  
-20 ... 60 ° C



Max. conductor temp.in  
service  
90 ° C

## Standards

EN 50288 - 7 (Design guide - lines)

## CHARACTERISTICS

	2 ( )
	XLPE(가 )
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Protection	no
Number of pairs	30
	2.5 mm <sup>2</sup>
	1.91 mm
Diameter over insulation	2.57 mm
Minimum outer diameter	34.4 mm
Maximum outer diameter	38.0 mm
( )	2071 kg/km
U <sub>o</sub> /U (U <sub>m</sub> )	170/300V
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

Tinned copper conductors available on request



U<sub>o</sub>/U (U<sub>m</sub>)  
170/300V



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



Oil resistance  
Yes



Electro magnetic  
interference resistance  
Yes



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- 20 ... 60 ° C



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service  
90 ° C