



**Reference:** 10112054  
**EAN 13:** 3427580200489

#### CONTACT

Market information  
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- Instrumentation cables 300/500 V
- XLPE insulation (Part 1)
- Unarmoured (Type 1)
- Individual & Overall Screen (IOS)
- **Oil resistant**

### STANDARDS

**Ensayo** 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:

Solid, stranded or flexible bare copper

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Individual screen:

Binder tape

Tinned copper drain wire,

Aluminium/polyester tape

Binder tape

#### Overall screen:

Binder tape

Tinned copper drain wire,

Aluminium/polyester tape

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

### Core identification

Pair: black - white

White core printed with pair number

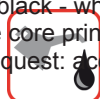
On request: according to PAS 5308 part 1



Tensión nominal de servicio  
Uo/U  
300/500 V



No propagador del  
incendio  
EN IEC 60332-3-22 (cat  
A)



Resistencia a aceites  
Sí



Resistencia a interferencias  
electromagnéticas  
Sí



Temp. ambiente de  
utilización  
20 - 60 °C



Max.conductor temp.in  
service  
90 °C

### Marking

NEXANS 279 XLPE/IND. + OA.SCR/PVC 300/500V Nber of pairs & cross-section Cu IEC 60332-3-22(A) MM YYYY Manufacturing number + metric marking

### Standards

All drawings, designs, specifications, plans and particulars of weights, size and dimensions conform to PAS 5308 Part 1/Type 1 (Design guidelines)  
PAS 5308 Part 1/Type 1 (Design guidelines)  
BS EN 60228-2003  
BS EN 50290-2-29

**CHARACTERISTICS****Características de construcción**

Material del conductor	Cobre desnudo
Type of conductor	Solid, Class 1
Aislamiento	XLPE
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Cubierta exterior	PVC
Protección	no

**Características dimensionales**

Número de pares	20
Sección del conductor	0,5 mm <sup>2</sup>
Diámetro del conductor	0,8 mm
Diámetro sobre aislamiento	1,8 mm
Diámetro exterior mínimo	21,6 mm
Diámetro exterior máximo	23,9 mm
Peso aproximado	684 kg/km

**Características eléctricas**

Tensión nominal de servicio U <sub>o</sub> /U	300/500 V
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**Características de uso**

No propagador del incendio	EN IEC 60332-3-22 (cat A)
Resistencia a aceites	Sí
Resistencia a interferencias electromagnéticas	Sí
Temperatura ambiente de utilización (rango)	-20 ... 60 °C
Temperatura máxima del conductor	90 °C
Standard	PAS

**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



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U<sub>o</sub>/U  
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Resistencia a aceites  
Sí



Resistencia a interferencias  
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Sí



Temp. ambiente de  
utilización  
-20 ... 60 °C



Max. conductor temp. in  
service  
90 °C