



**Reference:** 10174673  
**EAN 13:** 3427580454066

### 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

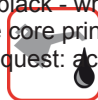
Pair: black – white  
 White core printed with pair number  
 On request: according to PAS 5308 part 1



Tensión nominal de servicio  
 Uo/U  
 300/500 V



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



**Marking**  
 Resistencia a aceites  
 Sí



Resistencia a interferencias  
 electromagnéticas  
 Sí



Temp. ambiente de  
 utilización  
 20 - 60 °C



Max.conductor temp.in  
 service  
 90 °C

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  
 PAS 5308 Part 1/Type 1 (Design guidelines)  
 PAS 5308 Part 1/Type 1 (Design guidelines)  
 BS EN 60228-2005  
 BS EN 50290-2-29

## CHARACTERISTICS

### Características de construcción

|                        |   |
|------------------------|---|
| Material del conductor | Cobre desnudo                                       |
| Type of conductor      | Stranded, class 2                                   |
| 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      | 0,75 mm <sup>2</sup> |
| Diámetro del conductor     | 1,1 mm               |
| Diámetro sobre aislamiento | 2,3 mm               |
| Diámetro exterior mínimo   | 26,2 mm              |
| Diámetro exterior máximo   | 28,9 mm              |
| Peso aproximado            | 1013 kg/km           |

### Características eléctricas

|   |           |
|---|-----------|
| Tensión nominal de servicio U <sub>o</sub> /U | 300/500 V |
|---|-----------|

### 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



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



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 incendio  
 EN IEC 60332-3-22 (cat  
 A)



Resistencia a aceites  
 Sí



Resistencia a interferencias  
 electromagnéticas  
 Sí



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 utilización  
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 service  
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