



Reference: 10174674
EAN 13: 3427580454073

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

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 BS EN 50290-2-29
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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	30
Sección del conductor	0,75 mm ²
Diámetro del conductor	1,1 mm
Diámetro sobre aislamiento	2,3 mm
Diámetro exterior mínimo	31,2 mm
Diámetro exterior máximo	34,5 mm
Peso aproximado	1473 kg/km

Características eléctricas

Tensión nominal de servicio Uo/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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 Sí



Resistencia a interferencias
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 service
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