



Reference: 10174671
EAN 13: 3427580454042

CONTACT

Market information
industryprojects.business@lynxéo
ogroup.com

- 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 the applicable standards (Design guidelines)
PAS 5308 Part 1/Type 1 (Design guidelines)
BS EN 60228-2-09
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	5
Sección del conductor	0,75 mm ²
Diámetro del conductor	1,1 mm
Diámetro sobre aislamiento	2,3 mm
Diámetro exterior mínimo	15,5 mm
Diámetro exterior máximo	17,1 mm
Peso aproximado	276 kg/km

Características eléctricas

Tensión nominal de servicio U ₀ /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
 U₀/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