



Reference: 10112026
EAN 13: 3427580200205

CONTACT

Market information
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- Instrumentation cables 300/500 V
- XLPE insulation (Part 1)
- Unarmoured (Type 1)
- Overall Screen (OS)
- **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.**

Design

Conductor:

Solid, stranded or flexible bare copper

Insulation:

Cross-linked polyethylene (XLPE)

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

Quad: black - white - red - blue (2 pair cables assembled as a quad)

White core printed with pair number

On request: according to PAS 5308 part 1

Marking

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

Standards

PAS 5308 Part 1/type 1 (Design guide-lines)

BS EN 60228-2005

BS EN 50290-2-29



Rated Voltage U₀/U (Um)
300/500 V



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



Oil resistance
Yes



Electro magnetic interference
 resistance
Yes



Operating temp.
-20 ... 60 °C



Max. conductor temp.in
 service
90 °C

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|-----------------------------------------------------|
| Conductor material | Bare copper |
| Type of conductor | Solid, Class 1 |
| Insulation | XLPE (Cross-linked Polyethylene) |
| Overall screen | Tinned copper drain wire + aluminium/polyester tape |
| Outer sheath | PVC |
| Protection | no |

Dimensional characteristics

| | |
|--------------------------|---------------------|
| Conductor cross-section | 0.5 mm ² |
| Number of pairs | 10 |
| Conductor diameter | 0.8 mm |
| Diameter over insulation | 1.8 mm |
| Minimum outer diameter | 15.9 mm |
| Maximum outer diameter | 17.5 mm |
| Approximate weight | 313 kg/km |

Electrical characteristics

| | |
|---------------------------------------------------|-----------|
| Rated Voltage U ₀ /U (U _m) | 300/500 V |
|---------------------------------------------------|-----------|

Usage characteristics

| | |
|------------------------------------------|---------------------------|
| Fire retardant | EN IEC 60332-3-22 (cat A) |
| Oil resistance | Yes |
| Electro magnetic interference resistance | Yes |
| Operating temperature, range | -20 ... 60 °C |
| Max. conductor temperature in service | 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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