



Reference: 10168504
EAN 13: 3427580412578

CONTACT

Market information
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- Instrumentation cables 170/300 V
- 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 .They are well adapted to underground use in industrial application where chemical and mechanical protections are needed (refinery areas, chemical plan...) .

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross - linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC).

Colour : black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

Other colour on request.

Core identification

Pair: white - black

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

White core printed with pair number

Marking

NEXANS 279 XLPE/OA SCR/PVC/SWA/PVC 170/300V Nber of pairs & cross-section Cu IEC 60332-3-22(A) MM YYYY Manufacturing number metric marking



Uo/U (Um)
170/300V



Mechanical resistance to impacts
Good



Standards
EN IEC 60332 - 3 - 22 (cat A)
EN 50288 - 7 (design guide - lines)



Oil resistance
Yes



Electro magnetic interference resistance



Operating temp.
- 20 ... 60 ° C



Max. conductor temp.in service
90 ° C

CHARACTERISTICS

	2 ()
	XLPE(가)
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Armour type	
Protection	Yes
Number of pairs	5
	1 mm ²
	1.28 mm
Diameter over insulation	1.76 mm
Diameter over inner sheath	11 mm
Diameter over armour	12.8 mm
Minimum outer diameter	15.1 mm
Maximum outer diameter	16.7 mm
()	431 kg/km
U _o /U (U _m)	170/300V
Mechanical resistance to impacts	Good
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Oil resistance	Yes
Electro magnetic interference resistance	Yes
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	90 ° C
Standard	EN

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



U_o/U (U_m)
170/300V



Mechanical resistance to impacts
Good



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

Tinned copper conductors available on request



U₀/U (Um)
170/300V



Mechanical resistance to impacts
Good



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



Oil resistance
Yes



Electro magnetic interference resistance
Yes



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-20 ... 60 °C



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