



Reference: 10201217  
EAN 13: 3427580121302

## CONTACT

Market information  
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- Instrumentation cables 300 V
- Overall screen (OS)
- Low smoke, low halogen (LSLH)
- Oil resistant

## STANDARDS

Product IEC 60228

Test IEC 60332 - 3 - 22 Cat.A; IEC 60754; IEC 61034

## APPLICATIONS

These cables are intended for transmission of analogue and digital signals. They allow transmission over long distances at high pulse rates. These cables are used in industrial installations such as refineries, chemical plants etc...

## Design

### Conductor:

Stranded bare copper (class 2)

### Insulation:

Polyethylene (PE)

### Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

### Outer sheath:

Polyvinyl chloride (PVC)

Special low smoke, low halogen (LSLH)

Colour: black or blue

Fire retardant: IEC 60332 - 3 - 22(A), limiting oxygen index > 30 as par ASTM D 2863

Low smoke: IEC 61034 - 2, transmittance > 40 %

Low halogen: IEC 60754 - 1 HCL < 6 %

## Core identification

Pair: Black/white

For multipair White core printed with pair number

## Marking

NEXANS 279 YYYY RE - 2Y(St)Y - fl LSLH 300V Nber of pairs & cross-section IEC 60332 - 3 - 22(A) + metric marking



Conductor flexibility  
2



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

## Désignation

RE: Instrumentation cable  
2Y: Polyethylene insulation  
(St): Oil resistance  
Y: PVC sheath



fl Reduced flame propagation  
LSLH: Low emission of smoke and halogens



Operating temp.  
-20 ... 60 °C



Max. conductor temp.in service  
70 °C

## CHARACTERISTICS

Conductor flexibility	2
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Sheath colour	
	1.34 mm <sup>2</sup>
Number of pairs	2
Minimum outer diameter	7.2 mm
Maximum outer diameter	7.9 mm
( )	101 kg/km
Operating voltage	300 V
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Oil resistance	ASTM D 1047
	Low
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	70 ° C
Standard	EN

## ELECTRICAL CHARACTERISTICS AT 20 ° C

### Electrical data AT 20°C

Cables (mm <sup>2</sup> )	Conductor Resistance max. (Ohm / km)	Insulation Resistance min. (Mohm.km)	Mutual Capacitance at 800 Hz maximum (nF / km)			L/R ratio max (µH / ohm)	Test Voltage (core/core) (V)
			Single pair	Up to 4 pairs	Above 4 pairs		
0.5	36.7	5 000	115	95	80	25	2 000
0.75	24.9	5 000	115	95	80	25	2 000
1.34	14.2	5 000	115	95	80	40	2 000



Conductor flexibility  
2



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



Oil resistance  
ASTM D 1047



Low



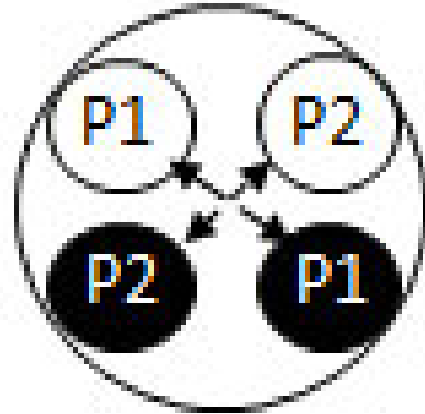
Operating temp.  
- 20 ... 60 ° C



Max. conductor temp. in service  
70 ° C

**CORE IDENTIFICATION FOR 2 PAIR CABLES**

2 pairs: black P1 - black P2  
 white P1 - white P2



**SELLING AND DELIVERY INFORMATION**

Minimum bending radius:

10 x outer diameter  
 To be doubled during laying operations

2 pair cables are assembled as a quad (black and white cores both printed with pair number)



Conductor flexibility  
2



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



Oil resistance  
ASTM D 1047



Low



Operating temp.  
-20 ... 60 °C



Max. conductor temp. in service  
70 °C