



Reference: 10098144
EAN 13: 3427580121357

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



Overall screen



Operating temp.
-20 ... 60 °C



Max. conductor temp.in service
70 °C

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

CHARACTERISTICS

Conductor flexibility	2
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Sheath colour	
	1.34 mm ²
Number of pairs	20
Minimum outer diameter	25.7 mm
Maximum outer diameter	28.4 mm
()	895 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 ²)	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



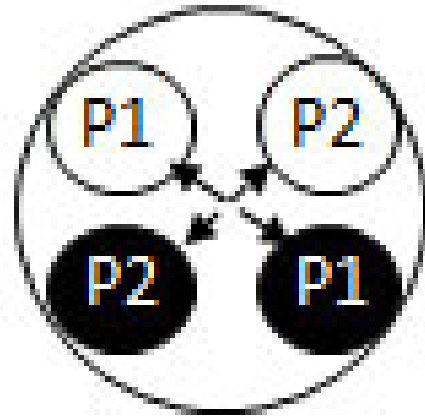
Operating temp.
- 20 ... 60 ° C



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