



- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- Oil resistant

STANDARDS

Test IEC 60331; IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These Instrumentation and communication are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). The individual screening of each pair limits the consequence of crosstalk. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium/polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium/polyester tape

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

CONTACT

Market information
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Uo/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



Fire resistant
EN IEC
60332-3
A)



Oil resistance
Yes



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp.in service
90 ° C

Other colour on request.
Core identification
White core with black
White core printed with pair number

Marking

NEXANS 279 SIL/IND.+OA.SCR/LSZH/SWA/PVC 170/300V Nber of pairs & cross-section, G, IEC 60331, IEC 60332-3-22(A), MM YYY, Manufacturing number + dimensions marking

All drawings, designs, specifications, plans and particulars of weights, size and representation of the part of Lynx^{eo}.
This marking is indicative only and shall not be binding on Lynx^{eo} or be treated as constituting a representation of the part of Lynx^{eo}.

Standards

CHARACTERISTICS

2 ()

Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Armour type	Low smoke, zero halogen thermoplastic compound
Protection	Yes
Uo/U (Um)	170/300V
Mechanical resistance to impacts	Good
Fire resistant	IEC 60331
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

SECTION 0.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
10135111	2	0.9	2.06	10	11.8	13.4	15.6	348
	5	0.9	2.06	13.2	15.0	16.6	19.3	524
	10	0.9	2.06	17.5	19.3	20.3	23.6	779
10135116	20	0.9	2.06	23.2	25.7	26.2	30.6	1363
	30	0.9	2.06	28.2	30.7	30.9	36.0	1840

SECTION 0.75MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
10135118	2	1.1	2.26	10.7	12.5	14.1	16.4	381
	5	1.1	2.26	14.2	16.0	17.5	20.3	577



Uo/U
(Um)
170/300V



Mechanical resistance to impacts
Good



Fire resistant
IEC 60331



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

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
	10	1.1	2.26	18.9	21.4	22.1	25.8	1005
10135123	20	1.1	2.26	24.8	27.3	27.8	32.5	1573
	30	1.1	2.26	30.6	33.8	33.8	39.5	2290

SECTION 1.0MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
10135125	2	1.28	2.44	11.3	13.1	14.6	17.0	413
	5	1.28	2.44	15.1	16.9	18.3	21.3	637
	10	1.28	2.44	20.2	22.7	23.3	27.2	1123
10135130	20	1.28	2.44	26.5	29.0	29.3	34.2	1768
	30	1.28	2.44	32.6	35.8	35.6	41.6	2597

SECTION 1.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
10135132	2	1.5	2.66	12.1	13.9	15.4	17.9	455
	5	1.5	2.66	16.2	18.0	19.3	22.5	734
	10	1.5	2.66	21.8	24.3	24.9	29.1	1322
10135137	20	1.5	2.66	29.3	32.5	32.7	38.1	2329
	30	1.5	2.66	35.1	38.3	38.1	44.4	3099

SECTION 2.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	([kg/km])
	2	1.91	3.07	13.7	15.5	17.0	19.8	560
	5	1.91	3.07	18.3	20.8	22.1	25.7	1027
	10	1.91	3.07	24.6	27.1	27.6	32.2	1622
	20	1.91	3.07	33.1	36.3	36.3	42.3	2883
	30	1.91	3.07	40.3	43.5	43.1	50.3	3953



U₀/U
(Um)
170/300V



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Good



Fire resistant
IEC 60331



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

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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