



- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Oil resistant

STANDARDS

Test IEC 60331; 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. They maintain circuit integrity when exposed to fire

CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (SIL)

Overall screen:

Polyester tape

Tinned copper drain wire,

Copper backed polyester tape

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 SIL/OA.SCR/PVC 170/300V Nber of pairs & cross-section Cu IEC 60331
IEC 60332-3-22 (A) MM YYYY Manufacturing number + metric marking

Standards

EN 50288-7 (Design guide-lines)



额定电压 U_0/U
170/300V



耐火
IEC 60331



阻燃
EN IEC 60332-3-22
(cat A)



耐油
是



抗电磁干扰
是



操作温度
-20 ... 60 ° C



芯线最高静止温度
90 ° C

CHARACTERISTICS

结构特性

导体材料	裸铜线
导体类型	Stranded, class 2
绝缘	硅树脂橡胶
总屏蔽	Tinned copper drain wire + copper polyester tape
外护套	聚氯乙烯
防护	no

电气特性

额定电压 U_0/U	170/300V
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使用特性

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标准	EN

SECTION 0.5MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134959	1	0.9	2.06	6.2	7.2	63
10134960	2	0.9	2.06	7.0	8.1	84
	5	0.9	2.06	13.0	15.1	200
	10	0.9	2.06	16.4	19.1	326
10134965	20	0.9	2.06	21.2	24.7	541
	30	0.9	2.06	25.1	29.3	768

SECTION 0.75MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134967	1	1.1	2.26	6.6	7.7	73
10134968	2	1.1	2.26	7.4	8.6	100
	5	1.1	2.26	13.9	16.2	233
	10	1.1	2.26	17.6	20.6	380
10134973	20	1.1	2.26	22.8	26.6	637



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Reference nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
30	1.1	2.26	27.2	31.7	916

SECTION 1. 0MM²

Reference nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134975	1	1.28	2.44	6.9	82
10134976	2	1.28	2.44	7.8	112
	5	1.28	2.44	14.7	271
	10	1.28	2.44	18.7	456
10134981	20	1.28	2.44	24.3	776
	30	1.28	2.44	29.2	1131

SECTION 1. 5MM²

Reference nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10134983	1	1.5	2.66	7.3	98
10134984	2	1.5	2.66	8.3	141
	5	1.5	2.66	15.7	345
	10	1.5	2.66	20.3	599
10134989	20	1.5	2.66	26.3	1047
	30	1.5	2.66	31.7	1545

SECTION 2. 5MM²

Reference nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	1	1.91	3.07	8.1	126
	2	1.91	3.07	9.4	191
	5	1.91	3.07	17.7	461
	10	1.91	3.07	22.7	820
	20	1.91	3.07	29.9	1480
	30	1.91	3.07	36.1	2198



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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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