



- 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 where chemicals may be present.

CONTACT

Market information
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xeogroup.com

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross-linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium 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 XLPE/OA.SCR/PVC 170/300V Nber of pairs & cross-section Cu 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



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	XLPE (Cross-linked Polyethylene)
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
外护套	聚氯乙烯
防护	no

电气特性

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使用特性

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标准	EN

SECTION 0.5MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	0.9	1.38	5.2	5.7	43
2	0.9	1.38	5.8	6.4	56
5	0.9	1.38	10.4	11.4	130
10	0.9	1.38	13.0	14.3	204
20	0.9	1.38	16.5	18.2	335
30	0.9	1.38	19.3	21.3	464

SECTION 0.75MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.1	1.58	5.6	6.2	53
2	1.1	1.58	6.2	6.9	72
5	1.1	1.58	11.3	12.5	169
10	1.1	1.58	14.4	15.8	278
20	1.1	1.58	18.2	20.1	469
30	1.1	1.58	21.6	23.9	674



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SECTION 1.0MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.28	1.76	5.9	6.6	60
2	1.28	1.76	6.7	7.4	84
5	1.28	1.76	12.2	13.5	199
10	1.28	1.76	15.6	17.2	332
20	1.28	1.76	20.0	22.0	571
30	1.28	1.76	23.7	26.1	818

SECTION 1.5MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.5	2.16	6.7	7.4	80
2	1.5	2.16	7.6	8.4	116
5	1.5	2.16	14.2	15.6	277
10	1.5	2.16	18.3	20.2	480
20	1.5	2.16	23.6	26.0	844
30	1.5	2.16	27.9	30.8	1237

SECTION 2.5MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.91	2.57	7.5	8.3	104
2	1.91	2.57	8.5	9.4	157
5	1.91	2.57	16.2	17.9	381
10	1.91	2.57	21.0	23.2	675
20	1.91	2.57	27.4	30.2	1210
30	1.91	2.57	32.9	36.3	1785

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



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Tinned copper conductors available on request



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