



- Instrumentation cables 170/300 V
- With lead cover (LC)
- Overall Screen (OS)
- Aliphatic and aromatic hydrocarbons resistant

STANDARDS

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

APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (SiI)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.
 EN IEC 60332-3-22 Aliphatic and aromatic hydrocarbons resistant
 (cat A)

Core identification

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)

White core printed with pair number

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx^{eo} is intended to be used as a reference only and shall not be binding on Lynx^{eo} or be treated as constituting a representation on the part of Lynx^{eo}.

NEXANS 279 SIL/OA.SCR/LSZH//LC/PVC/SWA/PVC 170/300V Nber of pairs & cross-section

CONTACT

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额定电压U₀/U
170/300V



机械耐冲击性能
好



耐火
IEC 60331



耐化学物质
EN IEC 60332-3-22 Aliphatic and aromatic hydrocarbons resistant
(cat A)



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 + aluminium/polyester tape
内护套	Low smoke, zero halogen thermoplastic compound
Lead Sheath	Yes
中间护套	PVC
铠装类型	镀锌钢丝
外护套	聚氯乙烯
防护	Yes

电气特性

额定电压U ₀ /U	170/300V
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机械特性

机械耐冲击性能	好
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使用特性

耐火	IEC 60331
阻燃	EN IEC 60332-3-22 (cat A)
耐化学物质	Aliphatic and aromatic hydrocarbons resistant
抗电磁干扰	是
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	90 ° C
标准	EN

SECTION 0.5MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135199	1	0.9	2.06	6.3	8.1	10.1	11.9	13.5	15.7	595
10135200	2	0.9	2.06	7.2	9	11	12.8	14.4	16.7	665
	5	0.9	2.06	12.5	14.5	16.5	19.0	20.4	23.8	1226
	10	0.9	2.06	16.6	18.8	20.8	23.3	24.0	28.0	1712
10135205	20	0.9	2.06	21.9	24.5	26.5	29.0	29.5	34.4	2526
	30	0.9	2.06	26.3	29.1	31.5	34.7	34.8	40.6	3491



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SECTION 0.75MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135207	1	1.1	2.26	6.7	8.5	10.5	12.3	13.9	16.2	630
10135208	2	1.1	2.26	7.6	9.4	11.4	13.2	14.9	17.3	714
	5	1.1	2.26	13.5	15.7	17.7	20.2	21.5	25.0	1389
	10	1.1	2.26	18	20.4	22.4	24.9	25.5	29.7	1968
10135213	20	1.1	2.26	23.7	26.3	28.7	31.9	32.1	37.5	2992
	30	1.1	2.26	29	32	34.4	37.6	37.6	43.9	4057

SECTION 1.0MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135215	1	1.28	2.44	7.1	8.9	10.9	12.7	14.3	16.6	661
10135216	2	1.28	2.44	8	9.8	11.8	13.6	15.3	17.8	753
	5	1.28	2.44	14.4	16.6	18.6	21.1	22.4	26.0	1498
	10	1.28	2.44	19.2	21.6	23.6	26.1	26.7	31.2	2122
10135221	20	1.28	2.44	25.4	28.2	30.6	33.8	34.0	39.7	3409
	30	1.28	2.44	31	34	36.4	39.6	39.4	46.0	4420

SECTION 1.5MM²

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10135223	1	1.5	2.66	7.5	9.3	11.3	13.1	14.8	17.2	708
10135224	2	1.5	2.66	8.6	10.4	12.4	14.2	15.8	18.4	815
	5	1.5	2.66	15.5	17.7	19.7	22.2	23.6	27.4	1661
	10	1.5	2.66	20.9	23.5	25.5	28.0	28.4	33.2	2486
10135229	20	1.5	2.66	28	31	33.4	36.6	36.7	42.8	4088
	30	1.5	2.66	33.6	36.8	39.6	43.6	43.2	50.4	5602



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SECTION 2.5MM²

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	1	1.91	3.07	8.3	10.1	12.1	13.9	15.5	18.1	784
	2	1.91	3.07	9.5	11.5	13.5	15.3	16.8	19.6	964
	5	1.91	3.07	17.6	20	22	24.5	25.7	29.8	1996
	10	1.91	3.07	23.6	26.2	28.6	31.8	32.0	37.4	3169
	20	1.91	3.07	31.8	35	37.4	40.6	40.5	47.2	4996
	30	1.91	3.07	38.7	42.3	45.1	49.1	48.5	56.6	7190

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332-1 or IEC 60332-3-24(C) 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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