



CONTACT

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

STANDARDS

Test 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.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross-linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

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
(cat. A)
Aliphatic and aromatic hydrocarbons resistant

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 only and shall not be binding on Lynx^{eo} or be treated as constituting a representation on the part of Lynx^{eo}.

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



额定电压U₀/U
170/300V



机械冲击性能
好



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



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
内护套	聚氯乙烯
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

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]
10134899	1	0.9	1.38	5	6.6	8.6	10.4	12.8	14.1	470
10134900	2	0.9	1.38	5	6.6	8.6	10.4	12.8	14.1	475
10186672	5	0.9	1.38	9.1	10.9	12.9	14.7	17.2	18.9	790
10186685	10	0.9	1.38	11.8	13.8	15.8	17.6	20.2	22.3	1080
10134905	20	0.9	1.38	15.4	17.6	19.6	22.1	24.7	27.3	1643
	30	0.9	1.38	18.3	20.7	22.7	25.2	27.7	30.6	2063



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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]
10134907	1	1.1	1.58	5	6.6	8.6	10.4	12.8	14.1	474
10134908	2	1.1	1.58	6	7.8	9.8	11.6	14.0	15.5	589
10186691	5	1.1	1.58	10.1	12.1	14.1	15.9	18.3	20.2	933
10186704	10	1.1	1.58	13.2	15.4	17.4	19.9	22.4	24.7	1428
10134913	20	1.1	1.58	17.2	19.6	21.6	24.1	26.7	29.4	1981
	30	1.1	1.58	20.7	23.1	25.1	27.6	30.3	33.4	2465

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]
10134915	1	1.28	1.76	5	6.6	8.6	10.4	12.8	14.1	476
10134916	2	1.28	1.76	6.5	8.3	10.3	12.1	14.5	15.9	629
10186710	5	1.28	1.76	11	13	15	16.8	19.2	21.2	1017
10186713	10	1.28	1.76	14.5	16.7	18.7	21.2	23.7	26.1	1571
10134921	20	1.28	1.76	19	21.4	23.4	25.9	28.4	31.4	2223
	30	1.28	1.76	22.8	25.4	27.8	30.3	33.1	36.5	3113

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]
10134923	1	1.5	2.16	6.5	8.3	10.3	12.1	14.5	15.9	627
10134924	2	1.5	2.16	7.4	9.2	11.2	13.0	15.5	17.1	724
10186718	5	1.5	2.16	13	15.2	17.2	19.7	22.2	24.5	1407
10186721	10	1.5	2.16	17.3	19.7	21.7	24.2	26.8	29.5	2013
	20	1.5	2.16	22.7	25.3	27.7	30.9	33.7	37.1	3120
	30	1.5	2.16	27.7	30.5	32.9	36.1	38.9	42.9	4115



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SECTION 2.5MM²

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]
10186726	1	1.91	2.57	7.3	9.1	11.1	12.9	15.4	17.0	712
10186727	2	1.91	2.57	8.4	10.2	12.2	14.0	16.5	18.2	830
10186730	5	1.91	2.57	15.1	17.3	19.3	21.8	24.4	27.0	1678
10186734	10	1.91	2.57	20.1	22.5	24.5	27.0	29.7	32.7	2428
10186740	20	1.91	2.57	26.6	29.4	31.8	35.0	37.8	41.7	3963
	30	1.91	2.57	32.5	35.7	38.5	42.5	45.5	50.2	5747

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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