



### CONTACT

Market information  
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- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Lead free
- Aliphatic and aromatic hydrocarbons 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 in moist areas and where aliphatic and aromatic hydrocarbons may be present. Hypron® offers an alternative to conventional lead covered cable and is an environmental friendly solution.

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Binder tape

#### Bedding

#### Inner sheath:

Polyvinyl chloride (PVC).

Colour: black.

#### Overall screen/sealing barrier:

Tinned copper drain wire,

Aluminium backed polyethylene tape

#### Bedding:

High density polyethylene (PE)

Colour: black

#### Special sheath (intermediate sheath):

Polyamide

#### Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

Other colour on request.  
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



无铅  
是



额定电压U<sub>0</sub>/U  
170/300V

### Core identification

Pair: white - black

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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

### Marking

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)
内护套	聚氯乙烯
总屏蔽	Tinned copper drain wire + aluminium/polyethylene tape
垫层材料	HDPE
中间护套	Polyamide
外护套	聚氯乙烯
无铅	是
防护	no
电气特性	
额定电压U <sub>0</sub> /U	170/300V
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

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	0.9	1.38	6	9.2	14.8	16.3	277
2	0.9	1.38	6	9.2	14.8	16.3	282
5	0.9	1.38	9.5	12.8	18.2	20.1	361
10	0.9	1.38	12.2	15.7	21.0	23.2	481
20	0.9	1.38	15.6	19.3	24.5	27.1	666
30	0.9	1.38	18.6	22.3	27.5	30.3	846



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SECTION 0.75MM<sup>2</sup>

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.1	1.58	6	9.2	14.8	16.3	282
2	1.1	1.58	6.3	9.5	15.1	16.6	302
5	1.1	1.58	10.5	13.8	19.2	21.2	417
10	1.1	1.58	13.5	17	22.3	24.6	574
20	1.1	1.58	17.5	21.2	26.4	29.1	831
30	1.1	1.58	20.9	24.6	29.7	32.7	1085

SECTION 1.0MM<sup>2</sup>

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.28	1.76	6	9.2	14.8	16.3	284
2	1.28	1.76	6.8	10	15.5	17.1	324
5	1.28	1.76	11.4	14.7	20.1	22.1	459
10	1.28	1.76	14.9	18.4	23.7	26.1	650
20	1.28	1.76	19.3	23	28.1	31.0	958
30	1.28	1.76	23	26.7	31.7	35.0	1263

SECTION 1.5MM<sup>2</sup>

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.5	2.16	6.8	10	15.5	17.1	322
2	1.5	2.16	7.7	10.9	16.4	18.1	374
5	1.5	2.16	13.3	16.6	21.9	24.2	562
10	1.5	2.16	17.7	21.2	26.4	29.1	844
20	1.5	2.16	23	26.7	31.7	35.0	1294
30	1.5	2.16	27.6	31.3	36.2	39.9	1747



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SECTION 2.5MM²

nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
1	1.91	2.57	7.6	10.8	16.3	18.0	362
2	1.91	2.57	8.7	15.1	17.3	19.1	437
5	1.91	2.57	15.4	18.7	24.0	26.4	698
10	1.91	2.57	20.4	23.9	29.0	32.0	1075
20	1.91	2.57	26.9	30.6	35.5	39.2	1716
30	1.91	2.57	32.4	36.1	40.8	45.0	2366

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

15 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



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