



- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- 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. They are well adapted to underground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). The individual screening of each pair limits the consequence of crosstalk. Hypron® offers an alternative to conventional lead sheathed cable and is an environmental friendly solution.

### CONTACT

Market information  
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### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Individual screen:

Binder tape

Tinned copper drain wire

Aluminium/polyester tape

Binder tape

#### Binder tape:

#### Bedding:

#### Inner sheath:

Polyvinyl chloride (PVC)

Colour: black.

#### Overall screen/sealing barrier:

Tinned copper drain wire

Aluminium backed polyethylene tape



无铅  
是



额定电压U<sub>0</sub>/U  
170/300V



Bedding:

机械耐冲击性能  
好



High density polyethylene (PE)

阻燃

EN IEC 60332-3-22 (cat A)



耐化学物质

Aliphatic and aromatic hydrocarbons



抗电磁干扰

是



操作温度

-20 ... 60 ° C



芯线最高静止温度

90 ° C

#### Special sheath (intermediate sheath):

Polyamide

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

#### Outer sheath:

## 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)
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
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
铠装类型	镀锌钢丝
外护套	聚氯乙烯
无铅	是
防护	Yes

### 电气特性

额定电压U <sub>0</sub> /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 0.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	2	0.9	1.38	7.9	11.3	13.1	18.5	20.4	527
10187587	5	0.9	1.38	10.1	13.5	15.3	20.7	22.8	675
10164900	10	0.9	1.38	13	16.6	18.4	23.7	26.1	861
	20	0.9	1.38	16.9	20.6	23.1	28.2	31.1	1381
	30	0.9	1.38	20.1	23.8	26.3	31.3	34.6	1717



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机械耐冲击性能  
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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  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

## SECTION 0.75MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	2	1.1	1.58	8.6	12	13.8	19.2	21.2	574
10187835	5	1.1	1.58	11.1	14.5	16.3	21.6	23.9	752
10187838	10	1.1	1.58	14.5	18.1	20.6	25.8	28.5	1148
	20	1.1	1.58	18.8	22.5	25.0	30.1	33.2	1601
	30	1.1	1.58	22.5	26.2	28.7	33.7	37.1	2017

## SECTION 1.0MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	2	1.28	1.76	9.3	12.7	14.5	19.9	21.9	612
10187844	5	1.28	1.76	12	15.4	17.2	22.5	24.8	812
10187847	10	1.28	1.76	15.7	19.2	21.7	26.9	29.6	1256
	20	1.28	1.76	20.5	24.2	26.7	31.7	35.0	1781
	30	1.28	1.76	24.6	28.3	30.8	35.7	39.4	2275

## SECTION 1.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	2	1.5	2.16	10.7	14.1	15.9	21.2	23.4	695
10187852	5	1.5	2.16	14	17.3	19.8	25.0	27.6	1078
10187855	10	1.5	2.16	18.5	22	24.5	29.6	32.6	1520
	20	1.5	2.16	24.3	28	30.5	35.4	39.1	2406
	30	1.5	2.16	29.2	32.9	36.1	40.8	45.0	3128



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芯线最高静止温度  
90 °C

## SECTION 2.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10187860	2	1.91	2.57	12.2	15.6	17.4	22.7	25.0	803
10187863	5	1.91	2.57	16.1	19.4	21.9	27.1	29.9	1277
10187867	10	1.91	2.57	21.4	25	27.5	32.5	35.8	1850
10187873	20	1.91	2.57	28.2	31.9	35.1	39.9	44.0	2993
	30	1.91	2.57	34	37.7	40.9	45.5	50.2	3926

## 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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