



- 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 cables 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...). Hypron® offers an alternative to conventional lead sheathed 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

CONTACT

Market information
industryprojects.business@lyn
xeogroup.com



无铅
是



额定电压 U_0/U
170/300V



Armour:

Galvanized steel wires (SWA)



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

Outer sheath:

Polyvinyl chloride (PVC)
(cat. A)

Colour: black

Other colour on request

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

Pair: white - black

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

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
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 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]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	1	0.9	1.38	6	9.2	11.0	16.5	18.2	467
	2	0.9	1.38	6	9.2	11.0	16.5	18.2	473
10187666	5	0.9	1.38	9.4	12.8	14.6	20.0	22.0	613
10164894	10	0.9	1.38	12.1	15.7	17.5	22.8	25.1	786
	20	0.9	1.38	15.6	19.3	21.8	27.0	29.7	1182
	30	0.9	1.38	18.6	22.3	24.8	29.9	33.0	1433



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SECTION 0.75MM²

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]
	1	1.1	1.58	6	9.2	11.0	16.5	18.2	472
	2	1.1	1.58	6.3	9.5	11.3	16.8	18.5	497
10187674	5	1.1	1.58	10.4	13.8	15.6	21.0	23.1	687
10187677	10	1.1	1.58	13.5	17	19.5	24.7	27.3	1031
	20	1.1	1.58	17.5	21.2	23.7	28.8	31.8	1387
	30	1.1	1.58	20.9	24.6	27.1	32.1	35.4	1731

SECTION 1.0MM²

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]
	1	1.28	1.76	6	9.2	11.0	16.5	18.2	475
	2	1.28	1.76	6.8	10	11.8	17.2	19.0	530
10187683	5	1.28	1.76	11.3	14.7	16.5	21.8	24.1	742
10187686	10	1.28	1.76	14.8	18.4	20.9	26.1	28.8	1137
	20	1.28	1.76	19.2	23	25.5	30.6	33.7	1564
	30	1.28	1.76	23	26.7	29.2	34.1	37.7	1959

SECTION 1.5MM²

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]
	1	1.5	2.16	6.8	10	11.8	17.3	19.0	529
	2	1.5	2.16	7.7	10.9	12.7	18.1	20.0	597
10187691	5	1.5	2.16	13.3	16.6	19.1	24.3	26.9	1012
10187694	10	1.5	2.16	17.6	21.2	23.7	28.8	31.8	1402
	20	1.5	2.16	23	26.7	29.2	34.1	37.7	2168
	30	1.5	2.16	27.6	31.3	34.5	39.3	43.3	2783



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SECTION 2.5MM²

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]
10187699	1	1.91	2.57	7.6	10.8	12.6	18.0	19.9	585
10187700	2	1.91	2.57	11.7	15.1	16.9	22.2	24.5	769
10187703	5	1.91	2.57	15.4	18.7	21.2	26.4	29.1	1196
10187707	10	1.91	2.57	20.4	23.9	26.4	31.4	34.7	1702
10187712	20	1.91	2.57	26.9	30.6	33.8	38.6	42.6	2732
	30	1.91	2.57	32.4	36.1	39.3	43.9	48.5	3564

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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