



- Instrumentation cables 300 V
- Individual & Overall Screen (10S)
- Low smoke, low halogen (LSLH)
- Oil resistant

STANDARDS

Product IEC 60228

Test IEC 60332-3-22 Cat.A; IEC 60754; IEC 61034

APPLICATIONS

These cables are intended for transmission of analogue and digital signals. They allow transmission over long distances at high pulse rates. The individual screening of each pair limits the consequences of crosstalk. These cables are used in industrial installations such as refineries, chemical plants etc...

Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

Individual screen:

Tinned copper drain wire

Aluminium/polyester tape

Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

Outer sheath:

Polyvinyl chloride (PVC)

Special low smoke, low halogen (LSLH)

Colour: black or blue

Fire retardant: IEC 60332-3-22(A), limiting oxygen index > 30 as par ASTM D 2863

Low smoke: IEC 61034-2, transmittance > 40 %

Low halogen: IEC 60754-1 HCL < 6 %

Core identification

Pair: Black/white
For multipair: White core printed with pair number



导线柔软度
绞和等级2



阻燃
EN IEC 60332-3-22 (Cat A)



耐油
ASTM D 1047



烟密度
低



操作温度
-20 ... 60 ° C



芯线最高静止温度
70 ° C

Marking

GORSE YYYY RE - 2Y(St)Y - fl PiMF LSLH 300V Nber of pairs & cross-section IEC 60332-3-22 (A) + metric marking

Désignation

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 of the product of Lynxéo.

(St): Collective screen

Y: PVC sheath

CONTACT

Market information
industryprojects.business@lynxéogroup.com

CHARACTERISTICS

结构特性

导体材料	裸铜线
导线柔软度	绞和等级2
绝缘	聚乙烯
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
外护套	聚氯乙烯

电气特性

工作电压	300 V
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使用特性

阻燃	EN IEC 60332-3-22 (cat A)
耐油	ASTM D 1047
烟密度	低
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	70 ° C
标准	EN

SECTION 0.5 MM²

Reference	nb pairs	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10098146	2	9.7	10.7	117	黑
10098147	4	10.2	11.3	162	黑
10101845	4	11.2	12.3	166	蓝
10098148	8	13.8	15.2	269	黑
10098149	12	14.6	16.1	351	黑
10098150	16	18.4	20.3	474	黑
10098151	20	19.8	21.8	565	黑
10098152	24	21.2	23.4	658	黑

SECTION 0.75 MM²

Reference	nb pairs	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10101846	2	9.6	10.6	135	蓝
10098153	2	9.6	10.6	135	黑
10098154	4	11.1	12.2	196	黑
10098155	8	15.3	16.9	341	黑



导线柔软度
绞和等级2



阻燃
EN IEC 60332-3-22 (cat A)



耐油
ASTM D 1047



烟密度
低



操作温度
-20 ... 60 ° C



芯线最高静止温度
70 ° C

Reference	nb pairs	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10101847	12	17.9	19.8	474	蓝
10098156	12	17.9	19.8	474	黑
10098157	16	18.2	20.1	568	黑
10098158	20	22.1	24.4	728	黑
10098159	24	21.0	23.2	786	黑

SECTION 1.34 MM²

Reference	nb pairs	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10098160	2	11.5	12.7	185	黑
10101848	2	11.6	12.8	185	蓝
10098161	4	13.4	14.8	277	黑
10098162	8	16.8	18.5	461	黑
10098163	12	18.7	21.9	609	黑
10098164	16	21.5	23.8	788	黑
10098165	20	27.0	29.7	1088	黑
10098166	24	26.4	29.1	1175	黑

ELECTRICAL CHARACTERISTICS

Electrical data AT 20°C

Cables (mm ²)	Conductor Resistance max. (Ohm / km)	Insulation Resistance min. (Mohm.km)	Mutual Capacitance at 800 Hz maximum (nF / km)	L/R ratio max (µH / ohm)	Test Voltage (core/core) (V)
0.5	36.7	5 000	115	25	2 000
0.75	24.9	5 000	115	25	2 000
1.34	14.2	5 000	115	40	2 000

SELLING AND DELIVERY INFORMATION

Minimum bending radius:



导线柔软度
绞和等级2



阻燃
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耐油
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芯线最高静止温度
70 ° C

10 x outer diameter
To be doubled during laying operations



导线柔软度
绞和等级2



阻燃
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耐油
ASTM D 1047



烟密度
低



操作温度
-20 ... 60 ° C



芯线最高静止温度
70 ° C