



CONTACT

Market information
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- Instrumentation cables 300 V
- Overall screen (OS)
- 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. These cables are used in industrial installations (refineries, chemical plants, etc...) where there is a potential risk of mechanical damage.

Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

Overall screen:

Tinned copper drain wire

Aluminium/polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

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

阻燃 EN IEC 60332-3-22 (Cat. A)
耐油 ASTM D 1047
Pair: Black/white

烟密度低

操作温度 -20 ... 60 ° C

芯线最高静止温度 70 ° C



导线柔软度
绞和等级2



机械耐冲击性能
好



Triple: Black/white/red

For multipair White core printed with pair number

Marking

All marking designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynx^{eo} is intended to be used by the customer and shall not be substituted by any other representation on the part of Lynx^{eo}.
RE-2Y (St) YSWAY – fl OS Armoured LSLH 300V number of pairs & cross-section IEC 60332-3-22(A) metric marking

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
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	聚氯乙烯
铠装类型	镀锌钢丝
外护套	聚氯乙烯

尺寸特性

三线组数	-
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电气特性

工作电压	300 V
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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	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10098167	1	5.4	7.21	9.5	10.5	212	黑
10201218	2	6.8	7.9	10.2	11.2	232	黑
10098169	4	9.3	11.1	13.5	14.9	352	黑
10098113	8	11.8	13.6	15.9	17.5	470	黑
10098174	12	14	15.8	18.2	20.1	598	黑
10098175	16	16.2	18.0	20.4	22.5	713	黑
10098176	20	17.5	20.0	22.5	24.8	953	黑
10098177	24	18.9	21.4	23.9	26.3	1062	黑



导线柔软度
绞和等级2



机械耐冲击性能
好



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

SECTION 0.75 MM²

Reference	nb pairs	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10101849	1	5.9	7.7	10.0	11.1	236	蓝
10098178	1	5.9	7.7	10.0	11.1	236	黑
10201223	2	6	7.8	10.1	11.1	236	蓝
10201219	2	6	7.8	10.1	11.1	236	黑
10098180	4	10.5	12.3	14.6	16.2	411	黑
10098181	8	13.3	15.1	17.6	19.4	573	黑
10098182	12	15.9	17.7	20.3	22.4	736	黑
10098183	16	18.5	21.0	23.5	25.9	1045	黑
10098184	20	19.9	22.4	25.0	27.6	1176	黑
10098185	24	21.6	24.1	26.7	29.4	1319	黑

SECTION 1.34 MM²

Reference	nb pairs	Diam. over inner sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]	护套颜色
10101851	1	7	8.8	11.0	12.2	289	蓝
10098186	1	7	8.8	11.0	12.2	289	黑
10201244	2	7.3	9.1	11.3	12.5	296	蓝
10201220	2	7.3	9.1	11.3	12.5	296	黑
10101853	4	12.9	14.7	17.2	18.9	546	蓝
10098188	4	12.9	14.7	17.2	18.9	546	黑
10098189	8	16.5	18.3	20.7	22.8	784	黑
10098190	12	19.8	22.3	24.7	27.3	1189	黑
10098191	16	23.1	25.6	28.1	31.0	1462	黑
10098192	20	24.9	27.4	30.1	33.2	1667	黑
10098193	24	27.5	30.0	32.6	36.0	1938	黑



导线柔软度
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耐油
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烟密度
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芯线最高静止温度
70 ° C

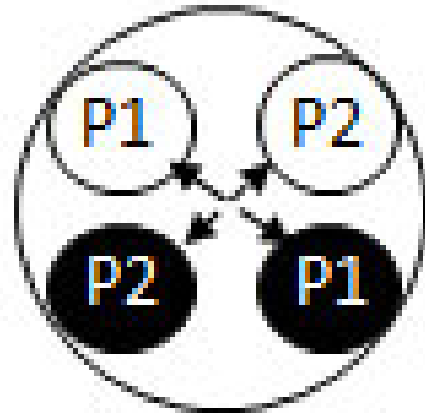
ELECTRICAL CHARACTERISTICS AT 20° C

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)
			Single pair	Up to 4 pairs	Above 4 pairs		
0.5	36.7	5 000	115	95	80	25	2 000
0.75	24.9	5 000	115	95	80	25	2 000
1.34	14.2	5 000	115	95	80	40	2 000

CORE IDENTIFICATION FOR 2 PAIR CABLES

2 pairs: black P1 - black P2
white P1 - white P2



SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

2 pair cables are assembled as a quad (black and white cores both printed with pair number)



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