



Reference: 10098211
EAN 13: 3427580122040

CONTACT

Market information
industryprojects.business@lynx^{eo}.com

- Instrumentation cables 300 V
- Individual & 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. The individual screening of each pair limits the consequence of crosstalk. These cables are used in industrial installations such as refineries, chemical plants etc where there is a potential risk of mechanical damage.

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

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



Conductor flexibility
2



Mechanical resistance to impacts
Good



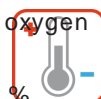
Fire retardant: IEC 60332 - 3 - 22(A), limiting oxygen index > 28.63



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



Low halogen: IEC 60754 - 1 HCL < 6 %



Operating temp.
-20 ... 60 °C



Max. conductor temp. in service
70 °C

Core identification

Pair: Black/white

For multipair: White core printed with pair number

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

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

CHARACTERISTICS

Conductor flexibility	2
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Armour type	
Sheath colour	
	1.34 mm ²
Number of pairs	8
Diameter over inner sheath	12.8 mm
Diameter over armour	14.8 mm
Minimum outer diameter	19.0 mm
Maximum outer diameter	17.3 mm
()	750 kg/km
Operating voltage	300 V
Mechanical resistance to impacts	Good
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
Oil resistance	ASTM D 1047
	Low
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	70 ° C
Standard	EN



Conductor flexibility
2



Mechanical
resistance to
impacts
Good



Fire retardant
EN IEC 60332 - 3 - 22
(cat A)



Oil resistance
ASTM D 1047



Low



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
70 ° C

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:

10 x outer diameter
To be doubled during laying operations



Conductor flexibility
2



Mechanical resistance to impacts
Good



Fire retardant
EN IEC 60332 - 3 - 22
(cat A)



Oil resistance
ASTM D 1047



Low



Operating temp.
-20 ... 60 °C



Max. conductor temp. in service
70 °C