



Reference: 10098191
EAN 13: 3427580121845

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 %



Conductor flexibility
Stranded class 2



Mechanical resistance to impacts
Good



Core identification
 Fire retardant
 EN IEC 60332-3-22
 Pair A Black/white



Oil resistance
 ASTM D 1047



Smoke density
Low



Operating temp.
 -20 ... 60 °C



Max. conductor temp.in service
 70 °C

Triple:Black/white/red

For multipair White core printed with pair number

Marking

All the 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}.
 NEXANS 279 YYYY RE - 2Y(St)YSWAY - fl LSLH 300V Nber of pairs & cross-section IEC 60332-3-22(A) + metric marking

CHARACTERISTICS

Construction characteristics

| | |
|-----------------------|---|
| Conductor material | Bare copper |
| Conductor flexibility | Stranded class 2 |
| Insulation | PE |
| Overall screen | Tinned copper drain wire + aluminium/polyester tape |
| Inner sheath | PVC |
| Armour type | Galvanized steel wires |
| Outer sheath | PVC |
| Sheath colour | Black |

Dimensional characteristics

| | |
|----------------------------|----------------------|
| Number of pairs | 16 |
| Conductor cross-section | 1.34 mm ² |
| Diameter over inner sheath | 23.1 mm |
| Diameter over armour | 25.6 mm |
| Minimum outer diameter | 28.1 mm |
| Maximum outer diameter | 31.0 mm |
| Approximate weight | 1462 kg/km |
| Number of triples | - |

Electrical characteristics

| | |
|-------------------|-------|
| Operating voltage | 300 V |
|-------------------|-------|

Mechanical characteristics

| | |
|----------------------------------|------|
| Mechanical resistance to impacts | Good |
|----------------------------------|------|

Usage characteristics

| | |
|---------------------------------------|---------------------------|
| Fire retardant | EN IEC 60332-3-22 (cat A) |
| Oil resistance | ASTM D 1047 |
| Smoke density | Low |
| Operating temperature, range | -20 ... 60 °C |
| Max. conductor temperature in service | 70 °C |
| Standard | EN |



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Stranded class 2



Mechanical resistance to impacts
Good



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



Oil resistance
ASTM D 1047



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Low



Operating temp.
-20 ... 60 °C



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70 °C

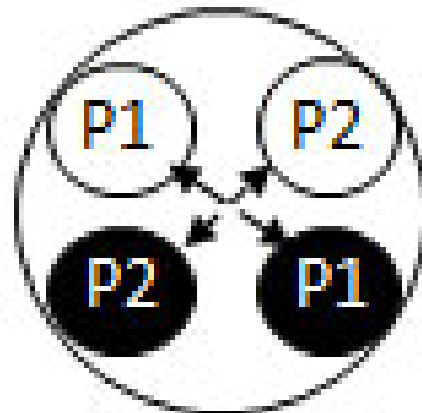
ELECTRICAL CHARACTERISTICS AT 20°C

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)



Conductor flexibility
 Stranded class 2



Mechanical resistance to impacts
 Good



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



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