



Reference: 10201217
EAN 13: 3427580121302

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 such as refineries, chemical plants etc...

Design

Conductor:

Stranded bare copper (class 2)

Insulation:

Polyethylene (PE)

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

Marking

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



Flessibilità del conduttore
A trefoli classe 2



Fuoco ritardante
EN IEC 60332-3-22



Resistenza all'olio
ASTM D 1047



Densità fumo
Low



Temperatura Operativa
-20 ... 60 °C



Temp. max di servizio del conduttore
70 °C

Désignation

RE: Instrumentation cable
 2Y: Polyethylene insulation
 (St): Collective screen
 Y: PVC sheath

fl Reduced flame propagation

CHARACTERISTICS

Caratteristiche costruttive

| | |
|-----------------------------|---|
| Materiale del conduttore | Rame nudo |
| Flessibilità del conduttore | A trefoli classe 2 |
| Isolamento | PE |
| Schermo Collettivo | Filo di rame stagnato + Nastro Alluminio / Poliestere |
| Guaina esterna | PVC |
| Colore della guaina esterna | Nero |

Caratteristiche dimensionali

| | |
|---------------------------------|----------------------|
| Sezione del conduttore del cavo | 1,34 mm ² |
| Numero di coppie | 2 |
| Diametro esterno min | 7,2 mm |
| Diametro esterno max | 7,9 mm |
| Peso approssimativo del cavo | 101 kg/km |

Caratteristiche elettriche

| | |
|--------------------|-------|
| Tensione operativa | 300 V |
|--------------------|-------|

Caratteristiche d'utilizzo

| | |
|--|---------------------------|
| Fuoco ritardante | EN IEC 60332-3-22 (cat A) |
| Resistenza all'olio | ASTM D 1047 |
| Densità fumo | Low |
| Temperatura Operativa | -20 ... 60 °C |
| Temperatura massima di servizio del conduttore | 70 °C |
| Standard | EN |

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 |



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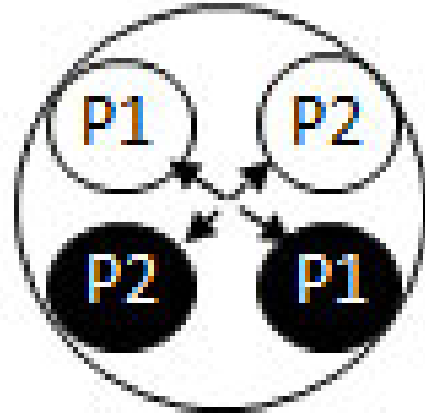
Temperatura Operativa
-20 ... 60 °C



Temp. max di servizio del conduttore
70 °C

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)



Flessibilità del conduttore
A trefoli classe 2



Fuoco ritardante
EN IEC 60332-3-22 (cat A)



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Temperatura Operativa
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