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CONTACT

Market information
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- Instrumentation cables 300 V
- Individual & Overall Screen (IOS)
- 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



Conductor flexibility
2



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



Marking
GORS



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



Operating temp.
°C



Max. conductor temp. Service
70 °C

Désignation

RE: Instrumentation cable

2Y: Polyethylene insulation

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PiMF: Pair screen

LSLH: Low emission of smoke and halogens

CHARACTERISTICS

Conductor flexibility	2
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Sheath colour	
	0.5 mm ²
Number of pairs	4
Minimum outer diameter	11.2 mm
Maximum outer diameter	12.3 mm
()	166 kg/km
Operating voltage	300 V
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

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



Conductor flexibility
2



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

SELLING AND DELIVERY INFORMATION

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations



Conductor flexibility
2



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