



CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

- Instrumentation cables 170/300 V
- With lead cover (LC)
- Individual & Overall Screen (IOS)
- Aliphatic and aromatic hydrocarbons resistant

STANDARDS

Test IEC 60331; IEC 60332 - 3 - 22 Cat.A

APPLICATIONS

These instrumentation and communication cables are used to transmit analogue or digital signals in measurement and process control. They are well adapted to underground use in industrial applications, in moist areas, where hydrocarbon and mechanical protection are needed. The lead cover brings an enhanced resistance to aromatics hydrocarbons. The individual screening of each pair limits the consequence of crosstalk. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (Sil)

Individual screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Polyester tape

Overall screen:

Polyester tape

Tinned copper drain wire

Aluminium backed polyester tape

Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Fire resistant
IEC 60331

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

Chemical
resistance
Aliphatic and
aromatic
hydrocarbons
resistant

Electro magnetic
interference
resistance
Yes

Operating temp.
- 20 ... 60 ° C

Max. conductor
temp. in service
90 ° C

Polyvinyl chloride (PVC)

Colour: black

Outer sheath:

Polyvinyl chloride (PVC)

Pair: white - black

CHARACTERISTICS

	2	()
Individual screen	Tinned copper drain wire + aluminium/polyester tape	
Overall screen	Tinned copper drain wire + aluminium/polyester tape	
	Low smoke, zero halogen thermoplastic compound	
Lead Sheath	Yes	
Intermediate sheath	PVC	
Armour type		
Protection	Yes	
Number of pairs	10	
	0.75 mm ²	
	1.1 mm	
Diameter over insulation	2.26 mm	
Diameter over inner sheath	18.9 mm	
Diameter over lead sheath	21.3 mm	
Diameter over intermediate sheath	23.3 mm	
Diameter over armour	25.8 mm	
Minimum outer diameter	26.3 mm	
Maximum outer diameter	30.7 mm	
()	2130 kg/km	
Uo/U (Um)	170/300V	
Mechanical resistance to impacts	Good	
Fire resistant	IEC 60331	
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)	
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant	
Electro magnetic interference resistance	Yes	
操作度范	- 20 ... 60 ° C	
Max. conductor temperature in service	90 ° C	
Standard	EN	



Uo/U
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



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



Chemical
resistance
Aliphatic and
aromatic
hydrocarbons
resistant



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C

SELLING AND DELIVERY INFORMATION

Other fire performances IEC 60332 - 1 or IEC 60332 - 3 - 24(C) on request.

Minimum bending radius:

10 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Uo/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



Fire resistant
IEC 60331



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



Chemical
resistance
Aliphatic and
aromatic
hydrocarbons
resistant



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp. in service
90 ° C