



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

STANDARDS

Test 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**.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross-linked polyethylene (XLPE)

Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request.

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

Aliphatic and aromatic hydrocarbons resistant

Electro magnetic interference resistance Yes

Operating temp. -20 ... 60 °C

Max. conductor temp. in service 90 °C

Min. dynamic operating bending rad. 371.0 mm

Pair: white - black

Quad: white - black - red - blue (2 pair cables assembled as a quad)

All white cores designed with pair number

Marking

Country Ref.: 10134923

CONTACT

Market information
industryprojects.business@lynxéogroup.com



Rated Voltage Uo/U (Um)
170/300V



Mechanical resistance to impacts
Good



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



Aliphatic and aromatic hydrocarbons resistant



Electro magnetic interference resistance
Yes



Operating temp. -20 ... 60 °C



Max. conductor temp. in service
90 °C



Min. dynamic operating bending rad.
371.0 mm

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Overall screen	Tinned copper drain wire + aluminium/polyester tape
Inner sheath	PVC
Lead Sheath	Yes
Intermediate sheath	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Protection	Yes

Dimensional characteristics

Number of pairs	20
Conductor cross-section	1.5 mm ²
Conductor diameter	1.5 mm
Diameter over insulation	2.16 mm
Diameter over inner sheath	22.7 mm
Diameter over lead sheath	25.3 mm
Diameter over intermediate sheath	27.7 mm
Diameter over armour	30.9 mm
Minimum outer diameter	33.7 mm
Maximum outer diameter	37.1 mm
Approximate weight	3120 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	170/300V
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Mechanical characteristics

Mechanical resistance to impacts	Good
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Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Chemical resistance	Aliphatic and aromatic hydrocarbons resistant
Electro magnetic interference resistance	Yes
Operating temperature, range	-20 ... 60 °C
Max. conductor temperature in service	90 °C
Minimum dynamic operating bending radius	371.0 mm
Standard	EN



Rated Voltage U₀/U (Um)
170/300V



Mechanical resistance to impacts
Good



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



Min. dynamic operating bending rad.
371.0 mm

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



Rated Voltage U₀/U
(Um)
170/300V



Mechanical
resistance to
impacts
Good



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



Min. dynamic
operating bending
rad.
371.0 mm