



- Instrumentation cables 170/300 V
- Overall Screen (OS)
- Lead free
- 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 in moist areas and where aliphatic and aromatic hydrocarbons may be present. They are well adapted to underground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). Hypron® offers an alternative to conventional lead sheathed cable and is an environmental friendly solution..

Design

Conductor:

Stranded bare copper class 2

Insulation:

Cross - linked polyethylene (XLPE)

Binder tape

Bedding

Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

Overall screen/sealing barrier:

Tinned copper drain wire

Aluminium backed polyethylene tape

Bedding:

High density polyethylene (PE)

Colour: black

Special sheath(intermediate sheath):

Polyamide

Armour:

Galvanized steel wires (SWA)



Lead free



Uo/U
(Um)
170/300V



Outer sheath:
Polyvinyl chloride (PVC)

Colour: black
Other colour on request



Chemical
resistance
Aliphatic and
aromatic
hydrocarbons
resistant



Electro magnetic
interference
resistance
Yes



Operating temp.
- 20 ... 60 ° C



Max. conductor
temp.in service
90 ° C

Core identification

Pair: white - black
Quad: white - black - red - blue (2 pair cables assembled as a quad)
White core printed with pair number

Marking

CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

CHARACTERISTICS

	2 ()
	XLPE(가)
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	HDPE
Intermediate sheath	Polyamide
Armour type	
Lead free	
Protection	Yes
Number of pairs	2
	1 mm ²
	1.28 mm
Diameter over insulation	1.76 mm
Diameter over inner sheath	6.8 mm
Diameter over intermediate sheath	10 mm
Diameter over armour	11.8 mm
Minimum outer diameter	17.2 mm
Maximum outer diameter	19.0 mm
()	530 kg/km
Uo/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
操作度范	- 20 ... 60 ° C
Max. conductor temperature in service	90 ° C
Standard	EN

SELLING AND DELIVERY INFORMATION

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



Lead free



Uo/U
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

Minimum bending radius:

15 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Lead free



Uo/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