



- 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)

CONTACT

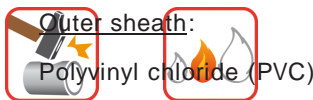
Market information
industryprojects.business@lynxéogroup.com



Lead free



Uo/U
(Um)
170/300V



Outer sheath:
Polyvinyl chloride (PVC)
Colour: black
Other colour on request



Chemical
retardant
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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxéo is indicative only and shall not be binding on Lynxéo or be treated as constituting a representation on the part of Lynxéo.

Marking

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
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

SECTION 0.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	() [kg/km]
	1	0.9	1.38	6	9.2	11.0	16.5	18.2	467
	2	0.9	1.38	6	9.2	11.0	16.5	18.2	473
10187666	5	0.9	1.38	9.4	12.8	14.6	20.0	22.0	613
10164894	10	0.9	1.38	12.1	15.7	17.5	22.8	25.1	786
	20	0.9	1.38	15.6	19.3	21.8	27.0	29.7	1182
	30	0.9	1.38	18.6	22.3	24.8	29.9	33.0	1433



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

SECTION 0.75MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	() [kg/km]
	1	1.1	1.58	6	9.2	11.0	16.5	18.2	472
	2	1.1	1.58	6.3	9.5	11.3	16.8	18.5	497
10187674	5	1.1	1.58	10.4	13.8	15.6	21.0	23.1	687
10187677	10	1.1	1.58	13.5	17	19.5	24.7	27.3	1031
	20	1.1	1.58	17.5	21.2	23.7	28.8	31.8	1387
	30	1.1	1.58	20.9	24.6	27.1	32.1	35.4	1731

SECTION 1.0MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	() [kg/km]
	1	1.28	1.76	6	9.2	11.0	16.5	18.2	475
	2	1.28	1.76	6.8	10	11.8	17.2	19.0	530
10187683	5	1.28	1.76	11.3	14.7	16.5	21.8	24.1	742
10187686	10	1.28	1.76	14.8	18.4	20.9	26.1	28.8	1137
	20	1.28	1.76	19.2	23	25.5	30.6	33.7	1564
	30	1.28	1.76	23	26.7	29.2	34.1	37.7	1959

SECTION 1.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	() [kg/km]
	1	1.5	2.16	6.8	10	11.8	17.3	19.0	529
	2	1.5	2.16	7.7	10.9	12.7	18.1	20.0	597
10187691	5	1.5	2.16	13.3	16.6	19.1	24.3	26.9	1012
10187694	10	1.5	2.16	17.6	21.2	23.7	28.8	31.8	1402
	20	1.5	2.16	23	26.7	29.2	34.1	37.7	2168
	30	1.5	2.16	27.6	31.3	34.5	39.3	43.3	2783



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

SECTION 2.5MM²

Reference	nb pairs	[mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	() [kg/km]
10187699	1	1.91	2.57	7.6	10.8	12.6	18.0	19.9	585
10187700	2	1.91	2.57	11.7	15.1	16.9	22.2	24.5	769
10187703	5	1.91	2.57	15.4	18.7	21.2	26.4	29.1	1196
10187707	10	1.91	2.57	20.4	23.9	26.4	31.4	34.7	1702
10187712	20	1.91	2.57	26.9	30.6	33.8	38.6	42.6	2732
	30	1.91	2.57	32.4	36.1	39.3	43.9	48.5	3564

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

15 x outer diameter
To be doubled during laying operations

Tinned copper conductors available on request



Lead free



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(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