



- 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 cable 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. Hypron® offers an alternative to conventional lead covered 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

Outer sheath:

Polyvinyl chloride (PVC).

Colour: black.

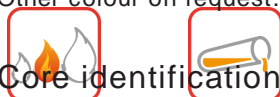
Other colour on request.



Lead free



Uo/U (Um)
170/300V



Fire retardant
EN IEC 60332 - 3 - 22 Cat.A



Chemical resistance
Aliphatic and aromatic hydrocarbons resistant



Electro magnetic interference
Yes



Operating temp.
-20 ... 60 °C



Max. conductor temp. in service
90

Core identification

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

Marking

All markings shall be in accordance with EN 50288-7-10. The marking shall be in metric units and shall be in metric marking. The marking shall be in metric units and shall be in metric marking. The marking shall be in metric units and shall be in metric marking.

Standards

CONTACT

Market information
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CHARACTERISTICS

	2 ()
	XLPE(가)
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	HDPE
Intermediate sheath	Polyamide
Lead free Protection	no
Number of pairs	1
	1.5 mm ²
	1.5 mm
Diameter over insulation	2.16 mm
Diameter over inner sheath	6.8 mm
Diameter over intermediate sheath	10 mm
Minimum outer diameter	15.5 mm
Maximum outer diameter	17.1 mm
()	322 kg/km
Uo/U (Um)	170/300V
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.

Minimum bending radius:

15 x outer diameter
To be doubled during laying operations



Lead free



Uo/U (Um)
170/300V



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

Tinned copper conductors available on request



Lead free



U_o/U (U_m)
170/300V



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