



CONTACT

Market information
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- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- 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. The individual screening of each pair limits the consequence of crosstalk. 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)

Individual screen:

Binder tape

Tinned copper drain wire

Aluminium backed polyester tape

Binder tape

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:

EN IEC 60332 - 3 - 22 (cat A)

Polyvinyl chloride (PVC)
Aliphatic and aromatic hydrocarbons resistant

Colour: black

Other colour on request

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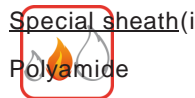
Pair: white - black



Lead free



Uo/U (Um)
170/300V



Chemical resistance
Aliphatic and aromatic hydrocarbons resistant

Electro magnetic interference resistance
Yes

Operating temp.
- 20 ... 60 ° C

Max. conductor temp. in service
90 ° C

CHARACTERISTICS

	2 ()
	XLPE(가)
Individual screen	Tinned copper drain wire + aluminium/polyester tape
Overall screen	Tinned copper drain wire + aluminium/polyethylene tape
Material of bedding	HDPE
Intermediate sheath	Polyamide
Lead free	
Protection	no
Number of pairs	10
	2.5 mm ²
	1.91 mm
Diameter over insulation	2.57 mm
Diameter over inner sheath	21.5 mm
Diameter over intermediate sheath	25 mm
Minimum outer diameter	30.1 mm
Maximum outer diameter	33.2 mm
()	1193 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



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