



Reference: 10135205  
EAN 13: 3427580322464

#### CONTACT

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

#### STANDARDS

Test IEC 60331; 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. They maintain circuit integrity when exposed to fire.

#### Design

##### Conductor:

Stranded bare copper class 2

##### Insulation:

Silicone rubber (Sil)

##### Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

##### Inner sheath:

Low Smoke Zero Halogen (LSZH)

Colour: black

##### Lead sheath

##### Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

##### Armour:

Galvanized steel wires (SWA)

##### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black



Uo/U  
(Um)  
170/300V



Mechanical  
resistance to  
impacts  
Good



Fire resistant  
EN IEC  
60331



Fire resistant  
EN IEC  
60332



Chemical  
resistance  
Aliphatic and  
aromatic  
hydrocarbons  
resistant



Electro magnetic  
interference  
resistant  
Yes



Operating temp.  
- 20 ... 60 ° C



Max. conductor  
temp. in service

Other colour on request.  
Core identification  
Fire resistant  
EN IEC 60331  
Fire resistant  
EN IEC 60332

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

#### Marking

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#### Standards

### CHARACTERISTICS

	2	( )
Overall screen	Tinned copper drain wire + aluminium/polyester tape Low smoke, zero halogen thermoplastic compound	
Lead Sheath	Yes	
Intermediate sheath	PVC	
Armour type		
Protection	Yes	
Number of pairs	20	
	0.5 mm <sup>2</sup>	
	0.9 mm	
Diameter over insulation	2.06 mm	
Diameter over inner sheath	21.9 mm	
Diameter over lead sheath	24.5 mm	
Diameter over intermediate sheath	26.5 mm	
Diameter over armour	29.0 mm	
Minimum outer diameter	29.5 mm	
Maximum outer diameter	34.4 mm	
( )	2526 kg/km	
Uo/U (Um)	170/300V	
Mechanical resistance to impacts	Good	
Fire resistant	IEC 60331	
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.



Uo/U  
170/300V



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Fire resistant  
IEC 60331



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



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Aliphatic and  
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Electro magnetic  
interference  
resistance  
Yes



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- 20 ... 60 ° C



Max. conductor  
temp. in service  
90 ° C

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations

Tinned copper conductors available on request



U<sub>o</sub>/U  
(U<sub>m</sub>)  
170/300V



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60332 - 3 - 22 (cat  
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