



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

### Design

#### Conductor:

Stranded bare copper class 2

#### Insulation:

Cross-linked polyethylene (XLPE)

#### Individual screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

Polyester tape

#### Overall screen:

Polyester tape

Tinned copper drain wire,

Aluminium backed polyester tape

#### Inner sheath:

Polyvinyl chloride (PVC)

Colour: black

#### Lead sheath:

#### Bedding (intermediate sheath):

Polyvinyl chloride (PVC)

Colour: black

阻燃  
IEC 60332-3-22  
(cat. A)

耐化学物质  
Aliphatic and  
aromatic  
hydrocarbons  
resistant

Galvanized steel wire armor (SWA)

#### Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Galvanized steel wire armor (SWA)

Other colour on request.

### CONTACT

Market information  
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xeogroup.com



额定电压 $U_0/U$   
170/300V



机械冲击性能  
好



Polyvinyl chloride (PVC)

Colour: black

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耐化学物质  
Aliphatic and  
aromatic  
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抗电磁干扰  
是



操作温度  
-20 ... 60 ° C



芯线最高静止温度  
90 ° C

## CHARACTERISTICS

### 结构特性

导体材料	裸铜线
导体类型	Stranded, class 2
绝缘	XLPE (Cross-linked Polyethylene)
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	聚氯乙烯
Lead Sheath	Yes
中间护套	PVC
铠装类型	镀锌钢丝
外护套	聚氯乙烯
防护	Yes

### 电气特性

额定电压U <sub>0</sub> /U	170/300V
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### 机械特性

机械耐冲击性能	好
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### 使用特性

阻燃	EN IEC 60332-3-22 (cat A)
耐化学物质	Aliphatic and aromatic hydrocarbons resistant
抗电磁干扰	是
操作温度范围	-20 ... 60 ° C
芯线最高静止温度	90 ° C
标准	EN

## SECTION 0.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	5	0.9	1.38	9.8	11.6	13.6	15.4	17.8	19.7	867
	30	0.9	1.38	19.8	22.2	24.2	26.7	29.2	32.2	2401



额定电压U<sub>0</sub>/U  
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## SECTION 0.75MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	30	1.1	1.58	22.3	24.7	26.7	29.2	31.8	35.1	2811

## SECTION 1.0MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	30	1.28	1.76	24.4	27	29.4	31.9	34.6	38.2	3504

## SECTION 1.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	30	1.5	2.16	29.3	32.1	34.5	37.7	40.4	44.6	4506

## SECTION 2.5MM<sup>2</sup>

Reference	nb pairs	Conductor diam. [mm]	Diam. over insulation [mm]	Diam. over inner sheath [mm]	Diameter over lead sheath [mm]	Diam. intermediate sheath [mm]	Diam. over armour [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
	30	1.91	2.57	34.1	37.3	40.1	44.1	47.0	51.9	6219

## SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:

10 x outer diameter  
To be doubled during laying operations



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机械冲击性能好



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Tinned copper conductors available on request



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