



- Instrumentation cables 170/300 V
- With lead cover (LC)
- Individual & Overall Screen (IOS)
- 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. The individual screening of each pair limits the consequence of crosstalk. They maintain circuit integrity when exposed to fire.

Design

Conductor:

Stranded bare copper class 2

Insulation:

Silicone rubber (SiI)

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:

Low Smoke Zero Halogen (LSZH)

Colour: black

Lead sheath:

Bedding (intermediate sheath):

Polyvinyl chloride (PVC)
Colour: black

耐火
IEC
Armour:
Galvanized steel wires

阻燃
EN IEC 60332-3-22
(cat A)

耐化学物质
Aliphatic and
aromatic
hydrocarbons
(SWA)

Outer sheath:

CONTACT

Market information
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额定电压U₀/U
170/300V



机械耐冲击性能
好



耐火
IEC



阻燃
EN IEC 60332-3-22
(cat A)



耐化学物质
Aliphatic and
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(SWA)



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	硅树脂橡胶
线对屏蔽	Tinned copper drain wire + aluminium/polyester tape
总屏蔽	Tinned copper drain wire + aluminium/polyester tape
内护套	Low smoke, zero halogen thermoplastic compound
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

尺寸特性

线对数	5
导线截面	0.75 mm ²
导线直径	1.1 mm
绝缘外径	2.26 mm
Diameter over inner sheath	14.2 mm
Diameter over lead sheath	16.4 mm
Diameter over intermediate sheath	18.4 mm
铠装外径	20.9 mm
外径最小值	22.2 mm
Maximum outer diameter	25.8 mm
近似重量	1481 kg/km

电气特性

额定电压U ₀ /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

耐火	IEC 60331
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



额定电压U₀/U
170/300V



机械耐冲击性能
好



耐火
IEC 60331



阻燃
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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

Tinned copper conductors available on request



额定电压 U_0/U
170/300V



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