



- Instrumentation cables 170/300 V
- Individual & Overall Screen (IOS)
- Oil resistant

STANDARDS

Test IEC 60332-3-22 Cat. A

APPLICATIONS

These Instrumentation and communication are used to transmit analogue or digital signals in measurement and process control. They are well adapted tounderground use in industrial applications where chemical and mechanical protections are needed (refinery areas, chemical plant...). 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)

Armour:

Galvanized steel wires (SWA)

Outer sheath:

Polyvinyl chloride (PVC)

Colour: black

Other colour on request

阻燃
EN IEC 60332-3-22
(Cat. A)

耐油
是

抗电磁干扰
是

操作温度
-20 ... 60 ° C

芯线最高静止温度
90 ° C

Core identification

Pair: white - black

White core printed with pair number



额定电压U₀/U
170/300V



机械冲击性能
好



阻燃
EN IEC 60332-3-22
(Cat. A)



耐油
是



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 |
| 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 | 20 |
| 导线截面 | 0.75 mm ² |
| 导线直径 | 1.1 mm |
| 绝缘外径 | 1.58 mm |
| Diameter over inner sheath | 18.5 mm |
| 铠装外径 | 21.0 mm |
| 外径最小值 | 23.5 mm |
| Maximum outer diameter | 25.9 mm |
| 近似重量 | 1147 kg/km |

电气特性

| | |
|-----------------------|----------|
| 额定电压U ₀ /U | 170/300V |
|-----------------------|----------|

机械特性

| | |
|---------|---|
| 机械耐冲击性能 | 好 |
|---------|---|

使用特性

| | |
|----------|---------------------------|
| 阻燃 | EN IEC 60332-3-22 (cat A) |
| 耐油 | 是 |
| 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 |

SELLING AND DELIVERY INFORMATION

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

Minimum bending radius:



额定电压U₀/U
170/300V



机械耐冲击性能
好



阻燃
EN IEC 60332-3-22
(cat A)



耐油
是



抗电磁干扰
是



操作温度
-20 ... 60 ° C



芯线最高静止温度
90 ° C

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



机械耐冲击性能
好



阻燃
EN IEC 60332-3-22
(cat A)



耐油
是



抗电磁干扰
是



操作温度
-20 ... 60 ° C



芯线最高静止温度
90 ° C