

## 泄漏探测线(编纱)28AWG\*2C

### Leak detection cable (braid yarn) 28AWG\*2C



#### 产品说明 Product Description

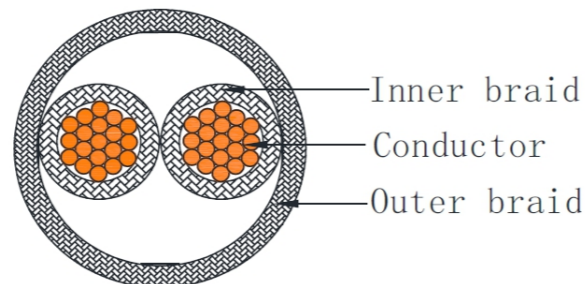
泄漏探测线(又称漏水感应线、漏液检测线)是一种分布式线状传感器,用于沿其全长连续监测导电液体(水、酸碱液、冷却液等)泄漏,需配套专用控制器实现报警与定位,广泛应用于数据中心、机房、管道管廊、配电室、仓库等关键区域。

Leakage detection lines (also known as water leakage sensing lines or liquid leakage detection lines) are distributed linear sensors used to continuously monitor the leakage of conductive liquids (such as water, acid-base solutions, coolant, etc.) along their entire length. They require a dedicated controller for alarm and location purposes and are widely used in key areas such as data centers, computer rooms, pipeline corridors, distribution rooms, and warehouses.

#### 结构(Construction)

内导体/Conductor	28WG (2C)	19/0.08TC+0.008mm
内编织/Inner Braid	PPS	
外编织/Outer Braid	Basalt yarn	
成品外径/OD	2.10±0.40mm	

#### 结构(Construction)



#### 环保符合(Environmental Protection Compliance)

RoHS 2.0/Reach(1907/2006 号REACH法规)

#### 参考规范(Reference Standard)

UL1581/UL758

#### 主要性能参数(Main performance parameter)

Item 项目	Electrical Characteristics 电气特性
Rated temperature 工作温度&电压	-20~+150°C
Voltage (DC) 额定电压	30V
Max Conductor Resistance 最大导体直流电阻	≤0.239Ω/m@20°C(28AWG)
Tensile force test 拉伸力测试	>10KG

Reset test: Wipe the sample of the waterleakage test with the outer braided water 3 to4 times, wait for 3 seconds, and then read the value with a multimeter

复位测试:将滴水检测的样品把外编织的水擦拭3-4遍,放置3S后用万用表读数

Interelectrode impedance resistance at hightemperature and humidity:  
The surface of the wire is covered with marl, and placed in the test environment temperature: 60° C, humidity: 95%RH, 120H, and the insulation impedance is tested every 1H

高温高湿下电极间阻抗电阻:  
线材表层沾满泥灰, 放置测试环境温度:60°C, 湿度:95%RH, 120H, 每间隔1H测试绝缘阻抗

Drip leakage test: 0.6ml/min, 5seconds/drop, record the on-resistance between the inductionlines when dropping (the dripping distance from the wire is 1~2cm)  
滴漏测试:0.6ml/min, 5秒/滴, 记录滴下时感应线之间的导通电阻(滴水距离线材1~2cm)

Flame test 阻燃测试	VW-1
Bending Test 摇摆测试	50g.R=3mm, +90°C, 30cyclings/min,>1000times,

#### 用途(Use)

适用于漏水探测传感线缆

After the aging test, 150°C function is verified  
老化测试后150°C\*240H, 报警功能验证

Pressure false positive test:  
The induction lines fitted along the metal tube (P18mm).Take 10 points and tie the cable ties to measure the resistance between the twoelectrodes of the induction line. Apply 10N, 20N, 30N tensile forces to the cable tie

压力误报测试:将感应线沿着金属管(18mm)贴合布线。取10个点位扎上扎带,测量感应线两电极之间的电阻。在扎带上施加10N,20N,30N的拉伸力

Short-circuit false positive test:  
The inductionline is bent until the internal short-circuit is recorded after the curved inside and outsidiameter. If there is no short circuit, continuetesting after bending in the opposite direction

短路误报测试:对感应线一直进行弯曲,直到内部短路后记录弯曲内径和外径。如果没有短路,则反方向弯折后继续测试。

滴水感应正常报警  
Drip sensing normal alarm

两电极间电阻>5MS  
Resistance between two electrodes > SMS

是否短路(短路误报测试中定义  
两电极间电阻≤200KQ即判定为短路。  
建议弯曲半径在3mm以上为宜

Whether there is a short circuit (in the shortcircuit false alarm test, it is defined that if theresistance between the two electrodes is 200K, it is judged as a short circuit). It is recommended that the bending radius be above 3mm

#### 包装(Packaging)

500 m/axis