



Reference: 10553019  
 Country Ref.: 13-DRX17Z09P  
 EAN 13: 8054803124403

### CONTACT

Market information  
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Interbus cable with PUR jacket for dynamic applications, shielded, oil resistant, flame retardant

### STANDARDS

Product UL and CSA approval

#### Applications

Interbus cables connect sensors and actors with all standard equipment in automation.

Our product range fulfill the special requirement of:

- Standard for fix installation or few bending
- For use in chain
- HFFR (Halogen Free & Flame Retardant)
- Direct burial
- Food industry
- Marine and submarine
- Railway systems

#### Design

Insulation colour code  
 Section 0.25 mm<sup>2</sup>: DIN 47100  
 Section 1 mm<sup>2</sup>: Blue - Red - Green/yellow

D.C. Resistance  
 Section 0.25 mm<sup>2</sup>: 80 Ohm/km  
 Section 1 mm<sup>2</sup>: 19.5 Ohm/km

Insulation resistance  
 Section 0.25 mm<sup>2</sup>: 5000 MOhm/km  
 Section 1 mm<sup>2</sup>: 5 MOhm/km

#### Normative references

UL recognized / CSA approval  
 AWM 80° C-30V  
 AWM 75° C-30V FT1



操作温度  
 -20 ... 80 ° C



存储温度范围  
 -30 ... 80 ° C



耐油  
 EN 50363-10-2



阻燃 - 火焰  
 IEC/EN 60332-1-2; FT1; UL 1581 FT1

## CHARACTERISTICS

## 结构特性

结构类型	(3x2x0, 25+3G1) C
导体材料	裸铜线
绝缘	聚烯烃
绝缘色	DIN 47100
填充物/内护套材料	Textile
Taping	Non woven tape
屏蔽	≥85% tinned copper braid coverage
Separator	Non woven tape
外护套	PUR
护套颜色	Violet RAL 4001

## 尺寸特性

标称外径	8.2 mm
铜含量	50 kg/km
近似重量	105 kg/km

## 电气特性

Rated Voltage U <sub>0</sub> /U	30 V
特性阻抗	100 Ohm
测试电压	1500 V

## 传输特性

Attenuation at 256 kHz	1.5 dB/100m
Attenuation at 722 kHz	2.4 dB/100m
衰减在1MHz	2.7 dB/100m
Attenuation at 4 MHz	5.2 dB/100m
10MHz的衰减	8.4 dB/100m
衰减在16MHz	11.2 dB/100m
20MHz的衰减	11.9 dB/100m
近端串扰, 722kHz	61 dB/100m
近端串扰, 1MHz	59 dB/100m
近端串扰, 2MHz	55 dB/100m
近端串扰, 4MHz	50 dB/100m
近端串扰, 8MHz	46 dB/100m
近端串扰, 10MHz	44 dB/100m
近端串扰, 16MHz	41 dB/100m
近端串扰, 20MHz	40 dB/100m
传播速度	66 %

## 机械特性

弯曲循环	5 Mio.
Maximum acceleration	20 m/s <sup>2</sup>
速度	240 m/min

## 使用特性

应用类型	动态
最小弯曲半径 - 动态	10 (xD)

## 使用特性

操作温度范围	-20 ... 80 ° C
存储温度范围	-30 ... 80 ° C
耐油	EN 50363-10-2
阻燃 - 火焰	IEC/EN 60332-1-2; FT1; UL 1581 FT1