



CONTACT

Market information
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Interbus hybrid cables with PVC jacket for dynamic applications, shielded, flame retardant

STANDARDS

Produit 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 mm²: DIN 47100

Section 1 mm²: Blue - Red - Green/yellow

Normative references

UL recognized / CSA approval

AWM 80°C - 30V

AWM 75°C - 30V FT1



Temp. d'utilisation
-20 ... 80 °C



Température de stockage, plage
-30 ... 80 °C



Non propagateur de la flamme
IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS**Caractéristiques de construction**

| | |
|---------------------|-----------------------------------|
| Structure | (3x2x0,25+3G1)C |
| Nature de l'âme | Cuivre nu |
| Isolation | Polyoléfine |
| Taping | Non woven tape |
| Tresse | ≥85% tinned copper braid coverage |
| Gaine extérieure | PVC |
| Couleur de la gaine | Violet RAL 4001 |

Caractéristiques dimensionnelles

| | |
|-------------------------------|-----------|
| Diamètre externe nominal (mm) | 8,2 mm |
| Poids en cuivre | 50 kg/km |
| Masse approximative | 105 kg/km |

Caractéristiques électriques

| | |
|---------------------------|---------|
| Tension U _o /U | 30 V |
| Impédance caractéristique | 100 Ohm |
| Tension d'essai | 1500 V |

Caractéristiques de transmission

| | |
|-------------------------------|--------------|
| Atténuation at 256 kHz | 1,5 dB/100m |
| Atténuation at 722 kHz | 2,4 dB/100m |
| Affaiblissement à 1 MHz | 2,7 dB/100m |
| Atténuation at 4 MHz | 5,2 dB/100m |
| Atténuation at 10 MHz | 8,4 dB/100m |
| Atténuation at 16 MHz | 11,2 dB/100m |
| Atténuation at 20 MHz | 11,9 dB/100m |
| Near End Cross Talk @ 722 kHz | 61 dB/100m |
| Near End Cross Talk @ 1 MHz | 59 dB/100m |
| Near End Cross Talk @ 2 MHz | 55 dB/100m |
| Near End Cross Talk @ 4 MHz | 50 dB/100m |
| Near End Cross Talk @ 8 MHz | 46 dB/100m |
| Near End Cross Talk @ 10 MHz | 44 dB/100m |
| Near End Cross Talk @ 16 MHz | 41 dB/100m |
| Near End Cross Talk @ 20 MHz | 40 dB/100m |
| Vitesse de propagation | 66 % |

Caractéristiques mécaniques

| | |
|----------------------|--------------------|
| Bending cycles | 1 Mio. |
| Speed | 60 m/min |
| Maximum acceleration | 2 m/s ² |

Caractéristiques d'utilisation

| | |
|--|------------------------------------|
| Application | Dynamic |
| Rayon de courbure minimum en utilisation dynamique | 10 (xD) |
| Température ambiante d'utilisation, plage | -20 ... 80 °C |
| Température de stockage, plage | -30 ... 80 °C |
| Non propagateur de la flamme | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |

PRODUCT LIST

| Reference | Country Ref. | Name |
|----------------|--------------|------------------------------|
| ☎ 13-DRX17Z09R | 13-DRX17Z09R | INTERBUS PVC (3x2x0,25+3G1)C |

☎ = Make to order, 📦 = In stock,