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CONTACT

Market information
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Interbus cables with PUR jacket for dynamic application, shielded, oil resistant, flame retardant

STANDARDS

Producto 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

Standards According to Interbus requirements



Temp. ambiente de utilización
 -20 ... 80 °C



Temperatura de almacenamiento (rango)
 -30 ... 80 °C



Resistencia a aceites
 EN 50363-10-2



No propagación de la llama
 IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS**Características de construcción**

Material del conductor	Cobre desnudo
Construction type	(3x2x0.25)C
Aislamiento	Polyolefin
Insulation colour	DIN 47100
Material of filler / inner sheath	Thermoplastic material
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Separator	Non woven tape
Cubierta exterior	PUR
Color de cubierta	Violet RAL 4001

Características dimensionales

Diámetro exterior	8 mm
Contenido de cobre	27 kg/km
Peso aproximado	62 kg/km

Características eléctricas

Rated Voltage U _o /U	30 V
Test voltage	1500 V
Impedancia característica	100 Ohm

Características de transmisión

Attenuation at 256 kHz	1,5 dB/100m
Attenuation at 722 kHz	2,4 dB/100m
Atenuación máxima a 1 MHz	2,7 dB/100m
Attenuation at 4 MHz	5,2 dB/100m
Attenuation at 10 MHz	8,4 dB/100m
Attenuation at 16 MHz	11,2 dB/100m
Attenuation 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
Velocidad de propagación	66 %

Características mecánicas

Bending cycles	5 Mio.
Maximum acceleration	20 m/s ²
Speed	240 m/min

Características de uso

Minimum dynamic operating bending radius	10 (xD)
Campo de aplicación	Dynamic

Características de uso

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