



### CONTACT

Market information  
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### Bus lines for multiplexed transmission

77 Ohms, AWG 24 - Shielded Pair

### STANDARDS

Producto EN 3375

#### CORE

AWG 24, 19 x 0.12 mm  
 Silver plated copper alloy (EN2083)

Insulation : Extruded PTFE

#### ASSEMBLY

2 cores + 2 PTFE fillers

#### 2 SHIELD

Silver plated copper 10/100

#### JACKET

UV laser markable ETFE

## CHARACTERISTICS

### Características de uso

Temperatura ambiente de utilización (rango)	-65 ... 150 °C
Radio de curvatura mínimo - Instalado	20 mm
No propagación de la llama	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Resistencia a aceites	Buena



Temp. ambiente de utilización  
 -65 ... 150 °C



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 FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)



Resistencia a aceites  
 Buena

**ELECTICAL AND HIGH FREQUENCY PERFORMANCES**

Voltage rating	: 250V
Voltage withstanding	: 1000V between conductors : 1000V between conductors and shield
Jacket spark test	: 1000V
Insulation resistance	: $\geq 1500 \text{ M}\Omega \cdot \text{km}$
Characteristic impedance	: $77 \pm 7 \Omega$ at 1 MHz
Nominal mutual capacitance	: 65 pF/m
Nominal capacitance	: 110 pF/m between 1 core and shield : 180 pF/m between cores and shielded
Nominal attenuation	: 2.7 dB/100m at 1 MHz
Maximum transfer impedance	: 15 m $\Omega$ /m DC current : 5 m $\Omega$ /m at 1 MHz : 5 m $\Omega$ /m at 10 MHz : 10 m $\Omega$ /m at 30 MHz

**IDENTIFICATION**

Colour of cores	: White + Blue
Colour of jacket	: White
Marking text	: "FILOTEX FRANCE ET 124961 - ***"
With	(**) = Year of manufacturing (ie. 14 = 2014)
Red marking for the main line	: (EN 3375-004C01, Nexans reference : ETUDE 124961-01)
Blue marking for the branch line	: (EN 3375-004C02, Nexans reference : ETUDE 124961-02)



Temp. ambiente de utilización  
-65 ... 150 °C



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Resistencia a aceites  
Buena