



CONTACT

Market information
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Bus lines for multiplexed transmission.

77 Ohms, AWG 24 - Pair Double Shielded

STANDARDS

Product EN 3375

CORE

AWG 24, 19 x 0.12 mm
 Silver plated copper alloy (EN 2083)

Insulation: extruded PTFE

ASSEMBLY

2 cores twisted + 2 PTFE fillers

SHIELD

Tin plated copper 10/100

Tin plated copper 10/100

JACKET

FEP jacket

CHARACTERISTICS

Usage characteristics

Operating temperature, range	-65 ... 150 °C
Minimum static operating bending radius	20 mm
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Oil resistance	Good



Operating temp.
-65 ... 150 °C



Static bending rad.
20 mm



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



Oil resistance
Good

ELECTRICAL 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 1MHz
Nominal mutual capacitance	: 65 pF/m
Nominal capacitance	: 110 pF/m between 1 core and shield : 180 pF/m between cores and shield
Nominal attenuation	: 2.7 dB/100m at 1 MHz
Maximum transfer impedance	: 15 m Ω /m DC current : 5 m Ω /m at 1 MHz : 5 m Ω /m at 10 MHz : 10 m Ω /m at 30 MHz

IDENTIFICATION

Marking text	: FILOTEX FRANCE ET 96770-**
With	(**) = Year of manufacturing
Red marking for the main line	(EN 3375-004 B01, Nexans reference : ETUDE 96770-01)
Blue marking for the branch line	(EN 3375-004 B02, Nexans reference : ETUDE 96770-02)



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-65 ... 150 °C



Static bending rad.
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Flame retardant
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Oil resistance
Good