



### CONTACT

Market information  
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**Data bus cable for aeronautic applications. Compatible RS 422**

78 Ohms, AWG 24 - Shielded Pair - High temperature

### STANDARDS

**Product** ASNE 0290 XM; EN 3375-006

### DESIGN CONSTRUCTION

#### CORE

AWG 24, 19 x 0.12 mm  
 Nickel plated high strength copper alloy  
 Fluoropolymer insulation

#### ASSEMBLY

2 cores twisted

#### SHIELD

Nickel plated copper braid  
 Strand diameter = 0.08 mm  
 Coverage ≥ 62 %

#### JACKET

Polyimide Tapes

## CHARACTERISTICS

### Usage characteristics

Operating temperature, range	-55 ... 200 °C
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Oil resistance	Very good resistance to aircraft fluids



Operating temp.  
 -55 ... 200 °C



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



Oil resistance  
 Very good resistance to aircraft fluids

**ELECTRICAL AND HIGH FREQUENCY PERFORMANCES**

Voltage rating	: 600 Vrms
Impedance from 1 Mhz to 200 MHz	: $78 \pm 7\Omega$
Mutual capacitance	: $64 \text{ pF/m} \pm 10\%$
Maximum attenuation	: 0.035 dB/m at 1 MHz
	: 0.15 dB/m at 10 MHz

**IDENTIFICATION**

Colour of cores	: Light Blue + Red
Colour of jacket	: Natural
Colour of marking	: Black
Marking tape under jacket	: " - XM 24 FRF "
With	(FR) : Country of origin (FR = France)
	(F) : Manufacturer (F = Filotex)
	(**) : Tear of manufacturing (ie. 14 = 2014)



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



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