



### CONTACT

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### Data bus cable for aeronautic applications.

120 Ohms, AWG 26 - Shielded Pair - High temperature

### STANDARDS

Product EN 3375-009

### DESIGN CONSTRUCTION

#### CORE

AWG 26, 7 x 0.16 mm  
 Silver plated high strength copper alloy  
 Aerated fluoropolymer insulation

#### ASSEMBLY

2 cores twisted with 2 aerated fillers

#### SHIELD

Silver plated copper braid  
 Strand diameter : 0.08 mm  
 Coverage ≥ 62%

#### JACKET

Fluoropolymer

## CHARACTERISTICS

### Usage characteristics

Operating temperature, range	-55 ... 200 °C
Minimum dynamic operating bending radius	30.0 mm
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	VDE 0472 part 803/B;UL 1581;CEI EN 60811



Operating temp.  
 -55 ... 200 °C



Min. dynamic operating bending  
 rad.  
 30.0 mm



Static bending rad.  
 20 mm



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



Oil resistance  
 VDE 0472 part 803/B;UL 1581;CEI  
 EN 60811

**ELECTRICAL AND HIGH FREQUENCY PERFORMANCES**

Voltage rating	: 600 V rms
Maximum Capacitance	: 45 pF/m
Nominal relative velocity of propagation	: 80%
Characteristic impedance	: $108 < Z_c < 132$ at 1 MHz : $100 < Z_c < 120$ at 20 MHz
Maximum attenuation	: 3 dB/100m at 1 MHz : 8 dB/100m at 5 MHz
Nominal transfert impedance	: 50 mΩ/m DC : 50 mΩ/m at 1 MHz : 50 mΩ/m at 10 MHz : 100 mΩ/m at 30 MHz

**IDENTIFICATION**

Colour of cores	: Blue + Red
Colour of jacket	: White
Colour of marking	: Black
Marking text	: EN WX 26 FRF**
With	(**) = Year of manufacturing



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FAR/JAR part 25 sec 25.869 (a)(4)  
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