



CONTACT

Market information
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50 Ohms, Coaxial Cable

Designed for high frequency signal transmission in aircraft electrical systems.

STANDARDS

Test prEN 3475

International prEN 4604-001, -002 and -006

DESIGN CONSTRUCTION

CORE

Solid silver plated copper
 Diameter = 1.02 ± 0.03 mm

INSULATION

Expanded PTFE
 Diameter = 2.84 ± 0.10 mm

SHIELD

1st layer
 Silver plated copper tape

2nd layer

Silver plated copper braid
 Strand diameter : 0.10 mm
 Diameter = 3.50 ± 0.20 mm

JACKET

Violet FEP

Overall diameter = 3.85 ± 0.15 mm
 Max. weight = 35 g/m

IDENTIFICATION

Colour of jacket : Black

Marking text : EN WM FRF**

FR = Country of Origin (FR = France)
 F = Manufacturer (F = Lynxéo)
 (**) = Year of manufacturing (ie. 14 = 2014)



Operating temp.
 -55 ... 200 °C



Static bending rad.
 25 mm



Min. dynamic operating
 bending rad.
 70.0 mm



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



Oil resistance
Very good resistance to
 aircraft fluids



RoHS compliant
 Yes

CHARACTERISTICS

Usage characteristics

Operating temperature, range	-55 ... 200 °C
Minimum static operating bending radius	25 mm
Minimum dynamic operating bending radius	70.0 mm
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Oil resistance	Very good resistance to aircraft fluids
RoHS compliant	Yes

ELECTICAL CHARACTERISTICS

Operating frequency	: up to 5GHz
Dielectric strength	: 2500Vac
Operating voltage	: 750Vac
Characteristic impedance	: 50 ± 3 Ω
Maximum linear capacitance	: 82 pF/m
Nominal velocity of propagation	: 243 000 km/s (81%)

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20°C (dB/100m)
50	2800	8
100	2000	11.5
400	110	20.5
1000	600	40
5000	300	85