



CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

50 Ohms Light Weight Coaxial Cable

Designed for signal transmission application in aeronautic environment.

STANDARDS

Product EN 4604-003

Test prEN 3475

DESIGN CONSTRUCTION

Product designed according to : prEN 4604-001, -002 and -003.
Tested according to prEN 3475 and prEN 3838.

CORE

Solid silver plated copper
Diameter = 0.905 +/- 0.025 mm

INSULATION

Aerated Fluoropolymer
Diameter = 2.35 ± 0.15 mm

SHIELD

Metallized foil
Silver plated copper braid
Diameter = 3.05 ± 0.15 mm

JACKET

Fluoropolymer
UV laser marquable

Diameter = 3.55 ± 0.15 mm
Max. weight = 30 g/m

IDENTIFICATION

Colour of jacket : White
Colour of marking: Black

Marking text : " EN WZ FRF** "

FR = Country of Origin (FR = France)
F = Manufacturer (F = Lynx^{eo})
(**) = Year of manufacturing (ie. 14 = 2014)



操作温度
-65 ... 200 ° C



Static bending rad.
37 mm



Min. dynamic operating
bending rad.
100.0 mm



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



耐油
Very good resistance to
aircraft fluids



符合RoHS
是

CHARACTERISTICS

使用特性

操作温度范围	-65 ... 200 ° C
最小弯曲半径 - 静态	37 mm
最小弯曲半径 - 动态	100.0 mm
阻燃 - 火焰	FAR/JAR part 25 sec 25.869 (a) (4) Appendix F part 1 (3)
耐油	Very good resistance to aircraft fluids
符合RoHS	是

ELECTRICAL CHARACTERISTICS

Operating frequency	: up to 3 GHz
Dielectric strength	: 4000 Vac
Insulation resistance	: $\geq 1000 \text{ M}\Omega \cdot \text{km}$
Characteristic impedance	: $50 \pm 2 \Omega$
Maximum linear capacitance	: 88 pF/m
Minimum relative velocity of propagation	: 75%
Maximum transfer impedance up to 3 GHz	: 30 m Ω /m

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20° C (dB/100m)
50	110	11
200	660	19
400	450	28
1000	250	47
3000	150	90