



CONTACT

Market information
 industryprojects.business@lynx^{eo}.com
 ogroup.com

50 Ohms, Coaxial Cable

Designed for high frequency signal transmission in aircraft electrical systems.

STANDARDS

Tests prEN 3475

International prEN 4604-001, -002 and -007

DESIGN CONSTRUCTION

CORE

Solid silver plated copper
 Diameter = 2.30 ± 0.03 mm

INSULATION

Expanded PTFE
 Diameter = 6.20 ± 0.10 mm

SHIELD

1st layer

Silver plated copper tape

2nd layer

Silver plated copper braid
 Strand diameter = 0.20 mm
 Diameter = 7.50 ± 0.20 mm

JACKET

Violet FEP

Diameter = 8.00 ± 0.20 mm
 Max. weight = 145 g/m

IDENTIFICATION

Colour of jacket : Black

Marking text : " EN WN FRF** "

FR = Country of Origin (FR = France)

F = Manufacturer (F = Lynx^{eo})

** = Year of manufacturing (ie. 14 = 2014)



Betriebstemp.
 -55 ... 200 °C



Static bending rad.
 80 mm



Min. dynamic operating
 bending rad.
 120,0 mm



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



Ölbeständig
 Very good resistance to
 aircraft fluids



RoHS konform
 ja

CHARACTERISTICS**Abmessungsmerkmale**

Durchmesser Aluminiumdraht	10 mm
----------------------------	-------

Anwendungsmerkmale

Betriebstemperatur	-55 ... 200 °C
Mindestbiegeradius bei statischem Einsatz	80 mm
Dynamischer Mindestbiegeradius während Anwendung	120,0 mm
Flammwidrig	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Ölbeständig	Very good resistance to aircraft fluids
RoHS konform	ja

ELECTRICAL CHARATERISTICS

Operating frequency	: up to 6 GHz
Operating voltage	: 1000Vac
Dielectric strength	: 3000Vac
Insulation resistance	: $\geq 5000 \text{ M}\Omega \cdot \text{km}$
Characteristic impedance	: $50 \pm 3 \Omega$
Maximum linear capacitance	: 82 pF/m
Nominal velocity of propagation	: 243 000 km/s (81% relative)

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20°C (dB/100)
50	8000	3.5
100	5000	5.5
400	3000	10
1000	2000	15
5000	800	35
6000	700	41

SELLING AND DELIVERY INFORMATION