EN 4604-007 WN



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

Operating temp.
-55 ... 200 °C

Static bending rad.
80 mm

Min. dynamic operating bending rad.
120.0 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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

CHARACTERISTICS

Dimensional characteristics	
Diameter Aluminium Wire	10 mm
Usage characteristics	
Operating temperature, range	-55 ... 200 °C
Minimum static operating bending radius	80 mm
Minimum dynamic operating bending radius	120.0 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

ELECTRICAL CHARATERISTICS

Operating frequency	: up to 6 GHz
Operating voltage	: 1000Vac
Dielectric strength	: 3000Vac
Insulation resistance	: ≥ 5000 MΩ.km
Characteristic impedance	: 50 ± 3 Ω
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

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