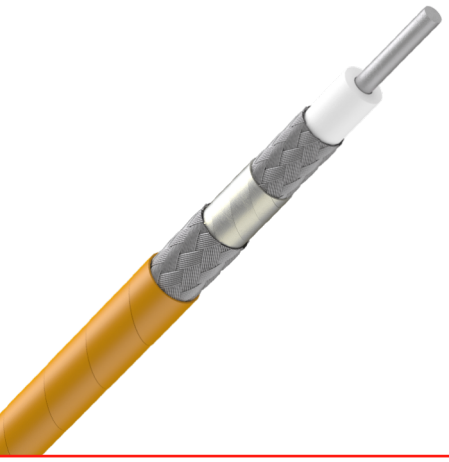
EN 4604-004 WS



50 Ohms, Coaxial Cable

Designed for high frequency signal transmission in aircraft radio communication systems.

STANDARDS

Test prEN 3475

International prEN 4604-001, -002 and -004

DESIGN CONSTRUCTION

Especially designed for high EMC performances.
Product designed according to to : prEN 4604-001, -002, -004.
Tested according to prEN 3475.

CORE
7 x 0.16 mm Strands
Silver plated copper
Diameter = 0.48 mm

INSULATION
Fluorocarbon
Diameter = 1.50 mm

SHIELD
1st layer
Silver plated copper braid
Strand diameter = 0.085 mm

2nd layer
High permeability tape

3rd layer
Silver plated copper braid
Strand diameter = 0.085 mm
Diameter = 2.20 ± 0.14 mm

JACKET
2 polyimide tapes

Diameter = 2.40 ± 0.16 mm
Max. weight = 20 g/m

IDENTIFICATION

Colour of jacket : Amber
Marking colour: Black

Marking text : " EN WS 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.
15 mm

Min. dynamic operating bending rad.
28.0 mm

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

Oil resistance
Very good resistance to aircraft fluids

RoHS compliant
Yes

CONTACT

Market information
industryprojects.business@lynxeogroup.com

CHARACTERISTICS

Usage characteristics	
Operating temperature, range	-55 ... 200 °C
Minimum static operating bending radius	15 mm
Minimum dynamic operating bending radius	28.0 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 CHARACTERISTICS

Operating frequency	: up to 3 GHz
Dielectric strength	: 1500Vac
Operating voltage	: 1300Vac
Isulation resistance	: ≥ 5000 MΩ.km
Characteristic impedance	: 50 ± 5 Ω
Linear capacitance	: 95 ± 10 pF/m
Nominal velocity of propagation	: 207 000 km/s (69% relative)
Transfer Impedance	: ≤ 45 mΩ/m up to 100 MHz

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20°C (dB/100m)
50	600	26
100	400	36
200	270	55
400	180	78
1000	120	140
3000	75	195