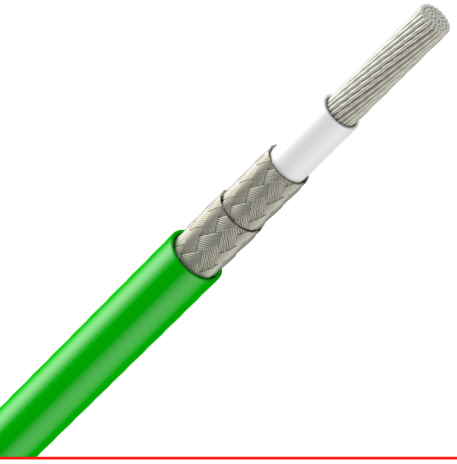
EN 4604-010 KX



CONTACT

Market information
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50 Ohms, Low Loss Light Weight Coaxial Cable.

Designed for high frequency signal transmission in aircraft electrical systems.

DESIGN CONSTRUCTION

Product designed according to : EN 4604-001, -002 and -010

corE
Solid silver plated copper
Diameter : 1.40 ± 0.02 mm

insulation
Fluoropolymer
Diameter : 4.20 +0.10/-0.15 mm

shield
1st layer
Silver plated copper tape

2nd layer
Silver plated copper braid
Strand diameter : 0.13 mm
Diameter : 4.80 ± 0.20 mm

jacket
Fluoropolymer

Diameter : 5.40 ± 0.15 mm
Nominal weight : 74 g/m
Maximum weight : 80 g/m

IDENTIFICATION

Colour of jacket : Light Green
Colour of marking : Black

Marking text : " EN KX FRF** "

FR = Country of origin (FR = France)
F = Manufacturer (F = Lynxeo)
** = Year of manufacturing (i.e. 18 = 2018)

Static bending rad.
30 mm

Min. dynamic operating bending rad.
50.0 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

CHARACTERISTICS

使用特性	
浮动操作温度范围	-55 ... 200 ° C
最小弯曲半径 - 静态	30 mm
最小弯曲半径 - 动态	50.0 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

ELECTRICAL CHARACTERISTICS

Operating frequency	: up to 6 GHz
Dielectric strength	: 2500 Vac
Operating voltage	: 1000 Vrms max.
Minimum insulation resistance	: 5000 MΩ.km
Characteristic impedance at 200MHz	: 50 ± 2 Ω
Maximum linear capacitance	: 88 pF/m
Minimum relative velocity of propagation	: 75%
Maximum conductor ohmic resistance	: 11.53 Ω/km

HIGH FREQUENCY PERFORMANCES

Frequency (MHz)	Max. Attenuation at 20° C (dB/100m)	Max. Return Loss
50	5.5	1.10
100	7.8	1.10
150	9.7	1.10
200	11	1.15
400	15.5	1.15
1000	24.5	1.15
1600	31.5	1.20
2500	38.9	1.20
3000	43.8	1.20
6000	63.5	1.35

TRANSFERT IMPEDANCE

Maximum Values (mΩ/m)	: 9.0 from 0 to 0.01 MHz
	: 9.0 at 0.1 MHz
	: 5.0 at 1 MHz
	: 1.8 at 5 MHz
	: 1.0 at 10 MHz
	: 0.5 at 30 MHz
	: 0.5 at 100 MHz

SELLING AND DELIVERY INFORMATION