



CONTACT

Market information
industryprojects.business@lynxgroup.com

Laser UV miniature Triaxial Cable

With similar transmission characteristics to KX 22A / RG 316U,
 This cable has the following advantages :

- Lower diameter and weight
- Better bendability
- Better screening effectiveness (Double braid)
- UV Laser markability

Recommended for Aeronautics uses and miniature systems.

STANDARDS

Product MIL C17; NF C93-550

BASIC CORE: STUDY 124962

CORE

19 x 0.098 mm Strand
 Silver copper alloy
 Nom. diameter = 0.48 mm

INSULATION

Expanded PTFE
 Nom. diameter = 1.35 mm

2 SHIELD

Silver plated copper 7/100
 Coverage \geq 62%

Nom. diameter = 2.00 mm

INNER JACKET

FEP
 Diameter = 2.35 ± 0.05 mm

SHIELD

Silver plated copper 10/100
 Coverage \geq 62%
 Nom. diameter = 2.80 mm

OUTER JACKET

Laser UV ETFE markable

Overall diameter = 3.45 ± 0.10 mm

Nom. weight = 27.0 g/m

Max. weight = 30.0 g/m



Operating temp.
 -65 ... 150 °C



Fire resistant
 -



Oil resistance
 Very good resistance to
 aircraft fluids



RoHS compliant
 Yes



Static bending rad.
 17 mm



Min. dynamic operating
 bending rad.
 35.0 mm

CHARACTERISTICS**Usage characteristics**

Operating temperature, range	-65 ... 150 °C
Fire resistant	-
Oil resistance	Very good resistance to aircraft fluids
RoHS compliant	Yes
Minimum static operating bending radius	17 mm
Minimum dynamic operating bending radius	35.0 mm

ELECTRICAL CHARACTERISTICS

Voltage rating	: 250V Eff 50 Hz
Voltage withstanding	: 3000V Eff 50 Hz between dielectric and shield
Jacket spark test	: 5000V impulse
DC resistance at 20°C	: $\leq 144 \Omega/\text{km}$
Insulation resistance	: $\geq 1500 \text{ M}\Omega.\text{km}$ between dielectric and shield : $\geq 1500 \text{ M}\Omega.\text{km}$ jacket
Linear capacitance at 1 kHz	: 90 pF/m nominal : 100 pF/m maximal
Characteristic impedance	: $50 \pm 5 \Omega$
Nominal relative of propagation	: 228 000 km/s (76%)

ATTENUATION

Frequency (MHz)	Mean Attenuation at 20°C (dB/100m)
10	9
100	26
200	37
500	65
1000	106
1500	133

SELLING AND DELIVERY INFORMATION

Colour of jacket : Green