

**CONTACT**

Market information
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Laser UV miniature Coaxial 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 marquability

Recommended for Aeronautics uses and miniature systems.

STANDARDS

Produit MIL C17; NF C93-550

CORE

19 x 0.098 mm Strand
 Silvered alloy
 Nom. diameter = 0.48 mm

INSULATION

Expanded PTFE
 Nom. diameter = 1.35 mm

SHIELDS

Silver plated copper double braid
 Strands diameter = 0.07mm
 Coverage ≥ 85%
 Nom. diameter = 2.00 mm

JACKET

Laser UV ETFE markable

Diameter = 2.35 ± 0.05 mm
 Nom. weight = 13 g/m
 Max. weight = 14 g/m

Strippability : mechanical device or automatic stripper



Temp. d'utilisation
 -65 ... 150 °C



Rayon courbure min.
 utilisation statique
 12 mm



Rayon courbure min.
 utilisation dynamique
 25,0 mm



Non propagateur de l
 incendie
 NFC 32070 C1



Résistance aux huiles
**Very good resistance to
 aircraft fluids**



Conforme RoHS
 Oui

CHARACTERISTICS**Caractéristiques d'utilisation**

Température ambiante d'utilisation, plage	-65 ... 150 °C
Rayon de courbure minimum en utilisation statique	12 mm
Rayon de courbure minimum en utilisation dynamique	25,0 mm
Non propagateur de l incendie	NFC 32070 C1
Résistance aux huiles	Very good resistance to aircraft fluids
Conforme RoHS	Oui

ELECTRICAL CHARACTERISTICS

Voltage rating	: 250V Eff 50Hz
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 velocity 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