



### 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

Produkt 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 =  $2.35 \pm 0.05$  mm  
 Nom. weight = 13 g/m  
 Max. weight = 14 g/m

**Strippability** : mechanical device or automatic stripper



Betriebstemp.  
 -65 ... 150 °C



Static bending rad.  
 12 mm



Min. dynamic operating  
 bending rad.  
 25,0 mm



Flammwidrig  
 NFC 32070 C1



Ölbeständig  
 Very good resistance to  
 aircraft fluids



RoHS konform  
 ja

**CHARACTERISTICS****Anwendungsmerkmale**

Betriebstemperatur	-65 ... 150 °C
Mindestbiegeradius bei statischem Einsatz	12 mm
Dynamischer Mindestbiegeradius während Anwendung	25,0 mm
Flammwidrig	NFC 32070 C1
Ölbeständig	Very good resistance to aircraft fluids
RoHS konform	ja

**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	: ≤ 144 Ω/km
Insulation resistance	: ≥ 1500 MΩ.km between dielectric and shield : ≥ 1500 MΩ.km jacket
Linear capacitance at 1 kHz	: 90 pF/m nominal : 100 pF/m maximal
Characteristic impedance	: 50 ± 5 Ω
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