**Laser UV miniature coaxial cable**

Basic study: 122715 (UV Laser markable jacket)

**Electrical characteristics**
- Characteristic impedance: $50 \pm 5 \Omega$
- Linear capacitance at 1 kHz
  - Nominal value: 90 pF/m
  - Maximal value: 100 pF/m
- Attenuation at 10 MHz: 0.09 dB/m
  - 100 MHz: 0.26 dB/m
  - 200 MHz: 0.37 dB/m
  - 500 MHz: 0.65 dB/m
  - 1000 MHz: 1.06 dB/m
  - 1500 MHz: 1.33 dB/m
- Voltage rating: 250 Volts Eff 50 Hz.
- Voltage withstanding: between dielectric and shield:
  - 3000 Volts Eff 50 Hz.
- Jacket spark test: 5000 Volts impulse.
- DC resistance at 20°C: ≤ 144 ohms/Km.
- Insulation resistance:
  - between dielectric and shield: ≥ 1500 Mohms . Km.
  - Jacket: ≥ 1500 Mohms . Km.
- Nominal relative velocity of propagation: 76%

**Physical characteristics**
- Nominal weight: 13.0 g/m
- Maximum weight: 14.0 g/m.
- Minimum bending radius:
  - Static: 12 mm.
  - Dynamic: 25 mm.
- Strippability: mechanical device or automatic stripper.
- Temperature rating: -65°C to +150°C
- Outer jacket color: green
Physical characteristics

- Fire resistance: No flame propagation (NFC 32070/C1)
  Low smoke emission
- Resistance to fluids: good resistance to aircraft fluids.

Applications

- 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.

Specifications:

- NFC 93 550 and MIL C 17
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<td>SP number added on each page. Jacket colour added.</td>
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<td>Modification of jacket spark test (1750 to 5000 volts impulse) and dielectric withstand (1500 to 3000 volts)</td>
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<td>VP</td>
<td>Attenuation values at 1000 and 1500 MHz added on customer request.</td>
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