



CONTACT

Market information
industryprojects.business@lynxogroup.com

CAC 876 - 75 Ohms Triaxial Cable, UV Laser Markable

Designed for high frequency signal transmission in aircraft radio communication systems.

STANDARDS

Test prEN 3475

International prEN 4604-001, -002 and SP132869

CONDUCTOR

7 x 0.10 mm Strand
 High strength silver plated copper alloy
 Diameter = 0.30 ± 0.025 mm

INSULATION

Fluorocarbon dielectric
 With low epsilon
 Max. diameter = 1.30 mm

SHIELD

Silver plated copper double braid
 Strand diameter = 0.08 mm
 Min. diameter = 1.75 mm
 Max. diameter = 1.95 mm

INNER JACKET

ETFE
 Diameter = 2.32 ± 0.05 mm

SHIELD

Silver plated copper
 Strands diameter = 0.10 mm

OUTER JACKET

Laser UV ETFE

Max. diameter = 3.47 mm
 Max. weight = 25.5 g/m



Operating temp.
 -65 ... 150 °C



Static bending rad.
 17 mm



Min. dynamic operating
 bending rad.
 35.0 mm



Flame retardant
FAR/JAR part 25 sec 25.869
 (a)(4) Appendix F part 1 (3)



Oil resistance
Very good resistance to
 aircraft fluids



RoHS compliant
 Yes

CHARACTERISTICS**Usage characteristics**

Operating temperature, range	-65 ... 150 °C
Minimum static operating bending radius	17 mm
Minimum dynamic operating bending radius	35.0 mm
Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Oil resistance	Very good resistance to aircraft fluids
RoHS compliant	Yes

ELECTRICAL CHARACTERISTICS

Operating frequency	: up to 3 GHz
Maximum operating voltage	: 900V rms
Dry test voltage	: 200Vac between core and shield
Jacket dry impulse test	: 5000V
Maximum ohmic resistance of conductor	: 384 Ω/km
Insulation resistance	: ≥ 5000 MΩ.km
characteristic impedance	: 75 ± 5 Ω
Maximum linear capacitance	: 60 pF/m
Velocity of propagation	: 222 000 km/s (74%)

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20°C (dB/100m)
50	1250	23
100	900	30
200	600	43
300	450	53
400	400	63
1000	270	102
3000	150	176

SELLING AND DELIVERY INFORMATION

Colour of inner jacket : Light Blue
 Colour of outer jacket : Light Blue