



### CONTACT

Market information  
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CAC 875 - 75 Ohms Coaxial Cable, UV Laser Marquable

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

### STANDARDS

Ensayo prEN 3475

International prEN 4604-001, -002 and SP132868

### CONDUCTOR

7 x 0.10 mm Strand  
 High strength silver plated copper alloy  
 Diameter =  $0.30 \pm 0.025$  mm

### INSULATION

Fluorocarbon dielectric  
 with low epsilon  
 Max. diameter = 1.30 mm

### SHIELD

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

### JACKET

Laser UV ETFE

Max. diameter = 2.37 mm  
 Max. weight = 12.5 g



Temp. ambiente de utilización  
 -65 ... 150 °C



Radio de curvatura mínimo en operación estática  
 15 mm



Min. dynamic operating bending rad.  
 25,0 mm



No propagación de la llama  
**FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)**



Resistencia a aceites  
**Very good resistance to aircraft fluids**



Acorde con normativa RoHS  
 Si

**CHARACTERISTICS****Características de uso**

Temperatura ambiente de utilización (rango)	-65 ... 150 °C
Radio de curvatura mínimo en operación estática	15 mm
Radio de curvatura mínimo en operación dinámica	25,0 mm
No propagación de la llama	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
Resistencia a aceites	Very good resistance to aircraft fluids
Acorde con normativa RoHs	Si

**ELECTRICAL CHARACTERISTICS**

Operating frequency	: up to 3 GHz
Maximum operating voltage	: 900V rms
Dry test voltage	: 2000Vac between core and shield
Jacket dry impulse	: 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% relative)

**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 jacket : Light blue