STUDY 132868

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 ± 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