



### CONTACT

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75 Ohms, Triaxial Cable

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

### STANDARDS

Test prEN 3475

National ECS 0745

### DESIGN CONSTRUCTION

#### CORE

7 x 0.10 mm Strands of high strength  
Silver plated copper alloy  
Diameter =  $0.30 \pm 0.025$  mm

#### INSULATION

Fluorocarbon  
Max. diameter = 1.30 mm

#### SHIELD

Silver plated copper double braid  
Strands diameter = 0.08 mm  
Max. diameter = 1.95 mm

#### INNER JACKET

Fluorocarbon  
Max. diameter = 2.37 mm

#### SHIELD

Silver plated copper  
Strands diameter = 0.10 mm

#### OUTER JACKET

Fluorocarbon  
Diameter :  $3.40 \pm 0.10$ mm  
Max. weight = 27 g/m

### IDENTIFICATION

Inner Jacket colour : Blue  
Outer Jacket colour : Blue

Marking text : " KC FR F \*\* "



操作温度  
-65 ... 200 ° C



Static bending rad.  
17 mm



Min. dynamic operating  
bending rad.  
35.0 mm



阻燃 - 火焰  
FAR/JAR part 25 sec 25.869  
(a) (4) Appendix F part 1  
(3)



耐油  
Very good resistance to  
aircraft fluids



符合RoHS  
是

## CHARACTERISTICS

## 使用特性

操作温度范围	-65 ... 200 ° C
最小弯曲半径 - 静态	17 mm
最小弯曲半径 - 动态	35.0 mm
阻燃 - 火焰	FAR/JAR part 25 sec 25.869 (a) (4) Appendix F part 1 (3)
耐油	Very good resistance to aircraft fluids
符合RoHS	是

## ELECTRICAL CHARACTERISTICS

Dry test voltage between core and shield	: 2000 Vac
Inner and outer jacket dry impulse test	: 5000 V
Maximum operating voltage	: 500V rms
Operating frequency	: up to 3 GHz
Maximum ohmic resistance of conductor	: 384 Ω/km
Insulation resistance	: ≥ 5000 MΩhms.Km between conductor and shield : ≥ 1500 MΩhms.Km between shields
Characteristic impedance	: 75 ± 5 Ω
Maximum linear capacitance	: 60 pF/m at 1 kHz
Transfer impedance	: ≤ 15 mΩhms/m up to 100 MHz
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)
10	640	10
50	290	23
100	200	30
200	140	43
300	110	53
400	100	63
1000	65	102
3000	37	176

## SELLING AND DELIVERY INFORMATION