



CONTACT

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Miniature Triaxial Cable

STANDARDS

National ECS 0757 KE

DESIGN CONSTRUCTION

CORE

7 x 0.175 mm Strand
 Silver plated copper alloy
 Nom. diameter = 0.53 mm

INSULATION

PTFE
 Diameter = 1.52 ± 0.08 mm

SHIELD

Silver plated copper 10/100
 Coverage ≥ 65%
 Nom. diameter = 1.98 mm

INNER JACKET

FEP
 Diameter = 2.49 ± 0.10 mm

SHIELD

Silver Plated Copper 10/100
 Coverage ≥ 65%
 Nom. diameter = 2.94 mm

JACKET

FEP
 Diameter = 3.50 ± 0.15 mm
 Max. weight = 31 g/m

Strippability : mechanical device or automatic stripper

IDENTIFICATION

Inner and Outer jacket color : Transparent green
 With a marker tape placed beneath the outer jacket

Marking text : "KE FR F ***"



Operating temp.
 -65 ... 200 °C



Static bending rad.
 18 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)

(**) : Year of manufacturing



Oil resistance
 Good



RoHS compliant
 Yes

CHARACTERISTICS**Usage characteristics**

Operating temperature, range	-65 ... 200 °C
Minimum static operating bending radius	18 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	Good
RoHS compliant	Yes

ELECTRICAL CHARACTERISTICS

Dry test voltage between core and shield	: 2000Vac
Inner and outer jacket dry impulse test	: 5000 V
Maximum operating voltage	: 900V rms
Operating frequency	: up to 1.5 GHz
Maximum ohmic resistance of conductor	: 124 Ω/km
Insulation resistance	: ≥ 5000 MΩ.km between dielectric and shield : ≥ 1500 MΩ.km between shields
Characteristic impedance	: 50 ± 2 Ω
Maximum linear capacitance	: 105 pF/m at 1 kHz
Nominal velocity of propagation	: 208 500 km/s (69.5%)

ATTENUATION AND POWER HANDLING

Frequency (MHz)	Max. Rated Power (W)	Max. Attenuation at 20°C (dB/100m)
10	1400	9.5
100	430	35
200	300	49
500	190	77
1000	130	108
1500	110	133