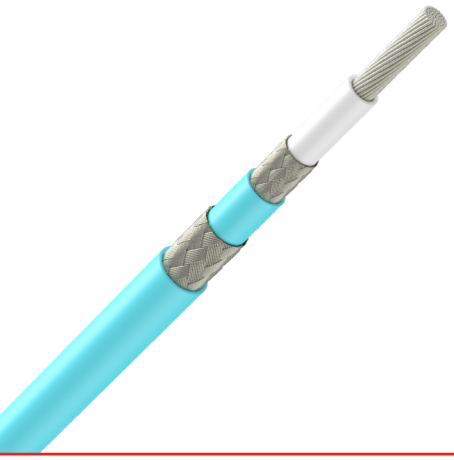
ECS 0757 KE



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 **"

(**) : Year of manufacturing

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)

Oil resistance
Good

RoHS compliant
Yes

CONTACT

Market information
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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

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

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