

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.088 (2.24)
Minimum Bend Radius, inch (mm)	0 (0)
Flexures	1,000
Weight, grams/ft. (meter)	4.5 (14.76)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 - 70
Velocity of Propagation	77%
Capacitance, pF/ft. (pF/meter)	25.46 (83.53)
Shielding Effectiveness, dB @ 1GHz	>90
Maximum Insertion Loss , dB/ft. (dB/meter)	Frequency

1.0 GHz
10.0 GHz
18.0 GHz
26.5 GHz
40.0 GHz
50.0 GHz

Insertion Loss per Catalog
0.22 (0.72)
0.75 (2.46)
1.05 (3.44)
1.31 (4.3)
1.68 (5.51)
1.92 (6.3)

Phase Stability Versus Flexure	10 GHz: 0°
	18 GHz: 0°

VSWR	Based on connector selections.
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ENVIRONMENTAL CHARACTERISTICS

Temperature Range(Deg C)	-65/+125
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MATERIALS

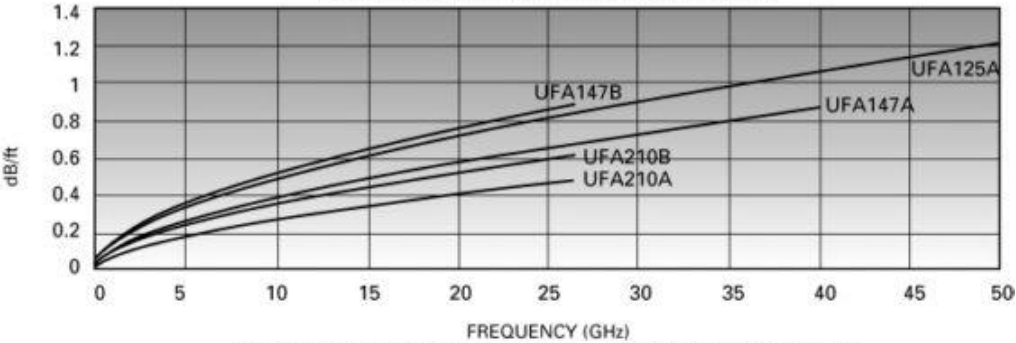
Outer jacket	FEP
Braid	SPCS-95
Outer Conductor	SPC - High Silver
Dielectric	FFR
Center Conductor	SPCW

CUTAWAY



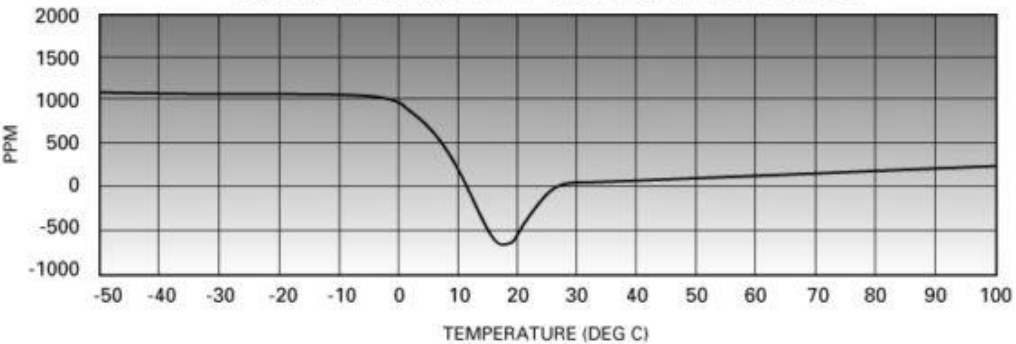
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

PHASE STABILITY VS. TEMPERATURE



Phase Chart

Power Chart
Average Power Handling, Watts CW at 20
degrees Celsius and Sea level

