

MECHANICAL CHARACTERISTICS

Outer Diameter, inch (mm)	0.142 (3.61)
Minimum Bend Radius, inch (mm)	0.625 (15.9)
Flexures	250
Weight, grams/ft. (meter)	10.9 (35.76)

ELECTRICAL CHARACTERISTICS

Impedance(ohms)	50
Frequency Range (GHz)	0.05 – 40
Velocity of Propagation	82%
Capacitance, pF/ft. (pF/meter)	24.54 (80.51)
Shielding Effectiveness, dB @ 1GHz	>100
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
0.11 (0.36)
0.4 (1.31)
0.57 (1.87)
0.72 (2.36)
0.93 (3.05)
N/A ()

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

VSWR	Based on connector selections.
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ENVIRONMENTAL CHARACTERISTICS

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

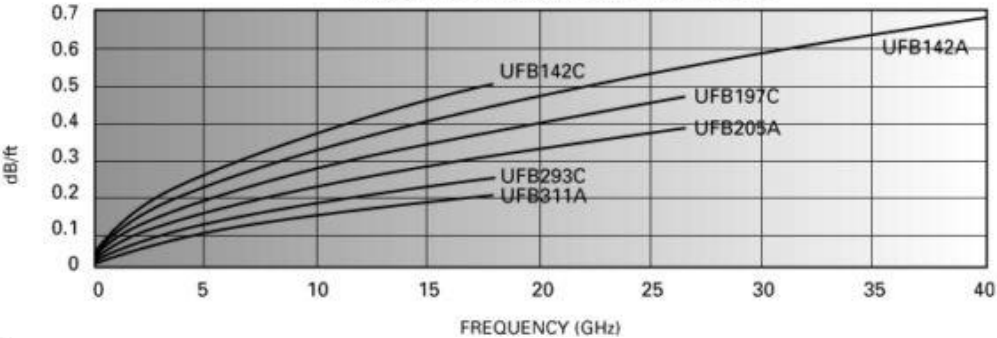
Outer jacket	FEP
Braid	SPCS-95
Outer Conductor	SPC - High Silver
Dielectric	FFR750
Center Conductor	SPC

CUTAWAY



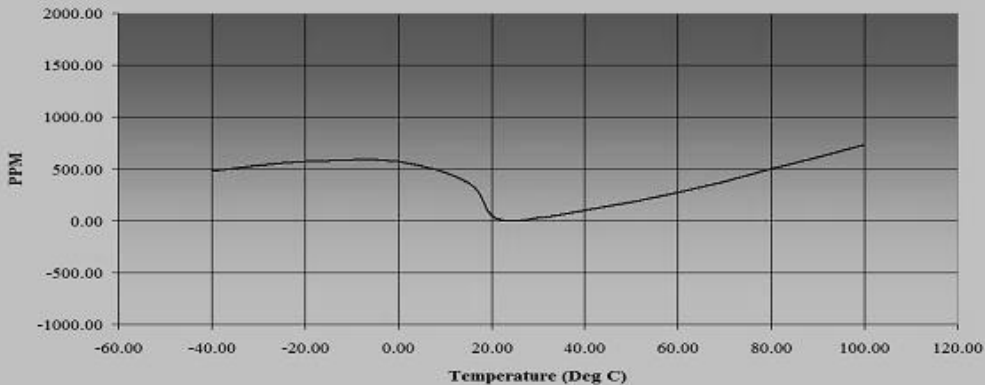
CHARTS

MAXIMUM INSERTION LOSS



Insertion Loss Chart

Ultra Low Loss
Phase Stability vs. Temperature



Phase Chart

POWER HANDLING

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

