



CONSTRUCTION

Signal Conductor: 0.320±0.0025mm (0.0126±0.0001"), Silver Plated Copper per ASTM B-298
 Insulation: Foamed Fluoropolymer, 0.914±0.018mm (0.0360±0.0007") OD
 Inner Shield: Helically Overlapped Flat Silver Plated Copper per ASTM B-298
 Braid Shield: 46 AWG Silver Plated Copper per ASTM B-298, >89% Coverage Ref.
 Overall Shield Diameter: 1.168±0.051mm (0.046±0.002")
 Jacket: FEP in accordance with MIL-DTL-17, Type IX
 Wall Thickness: 0.127mm (0.005") Wall Thickness
 Color: Blue (Tint)

ELECTRICAL

Impedance: 50±1 ohms
 Propagation Delay: 4.236±0.026 ns/m (1.291±0.008 ns/ft)
 Velocity of Propagation: 78.7% Ref.
 Capacitance: 84.71 pF/m (25.82 pF/ft) Ref.

MECHANICAL

Operating Temperature: -65°C to 150°C Ref.
 Min. Static Bend Radius: 6.35mm (0.25") Ref.

Freq (GHz)	Max. Attenuation* (dB/100 ft)	Max. Power* (CW)
1	33.48	49.3
2	47.74	34.6
4	68.30	24.2
8	98.15	16.9
12	121.69	13.6
18	151.24	11.0
26.5	186.63	8.9
34	214.06	7.8
40	234.26	7.1
50	265.44	6.3
Attn=K1 x SQRT(F MHz)+K2 x(F MHz)		
K1=1.0376		K2=0.000669
* 23°C and Sea Level		



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	A	4581	Preliminary Release.	KP	8/4/15
	B	4802	Revision to B. Update Insulation OD, VP%, Capacitance Add Mechanical Section, Attenuation Chart, Prop. Delay	KP	1/27/16