



CONSTRUCTION

Signal Conductor: 0.912±0.0076mm (0.0359±0.0003"), Silver Plated Copper per ASTM B-298
 Insulation: Foamed Fluoropolymer, 2.6416±0.038mm (0.1030±0.0015") OD
 Inner Shield: Helically Overlapped Flat Silver Plated Copper per ASTM B-298
 Braid Shield: 38 AWG Silver Plated Copper per ASTM B-298, >90% Coverage Ref.
 Overall Shield Diameter: 3.302±0.089mm (0.130±0.0035")
 Jacket: FEP in accordance with MIL-DTL-17, Type IX
 Wall Thickness: 0.254mm (0.010")
 Color: Blue

ELECTRICAL

Impedance: 50±1 ohms
 Propagation Delay: 4.215±0.033 ns/m (1.285±0.010 ns/ft)
 Velocity of Propagation: 79% Ref.
 Capacitance: 84.39 pF/m (25.72 pF/ft) Ref.

MECHANICAL

Operating Temperature: -65°C to 165°C Ref.
 Min. Static Bend Radius: 12.70mm (0.50") Ref.

Freq (GHz)	Max. Attenuation* (dB/ 100 ft)	Max. Power* (CW)
1	12.12	337.7
2	17.71	235.0
4	26.18	162.6
8	39.30	111.5
12	50.28	89.0
18	64.79	70.8
26.5	83.15	56.6
34	98.06	48.8
40	109.40	44.3
Attn=K1 x SQRT(FMHz)+K2 x(FMHz)		
K1=0.352		K2=0.000973
* 23°C and Sea Level		



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	7	NA	Updated Capacitance & Prop Delay.	KP	5/21/20
	A	5810	Released To Production.	KP	10/29/20