



**CONSTRUCTION**

Signal Conductor: 0.036" +/- 0.0003" (0.91 +/- 0.0076mm), Silver Plated Copper per ASTM B-298  
 Insulation: FEP per applicable paragraph MIL-DTL-17, 0.117" +/- 0.0015" (3.0 +/- 0.05mm) OD  
 Inner Shield: Helically Overlapped Flat Silver Plated Copper per ASTM B-298  
 Braid Shield: 40 AWG Silver Plated Copper per ASTM B-298, >85% Coverage  
 Overall Shield Diameter: 0.138" +/- 0.002" (3.5 +/- 0.05mm)  
 Jacket: FEP in accordance with MIL-DTL-17, Type IX  
 Wall Thickness: 0.011" (0.28mm)  
 Color: Blue

**ELECTRICAL**

Impedance: 50 +/- 1 ohms  
 Velocity of Propagation: 70%  
 Capacitance: 29.0 pF/ft (95 pF/m)

**GENERAL**

Temperature Rating: -65C to 165C  
 Static Bend Radius: 0.5" (12.7mm)  
 Dynamic Bend Radius: 1.0" (25.4mm)  
 Weight: 28.0 lbs/1000 ft

Freq (GHz)	Attenuation (dB/100ft)	Avg Power (W)
0.5	8	400
1	12	270
2	19	180
4	29	120
8	45	80
12	58	62
18	76	47



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	8	2974	Update Spec. Template. Add Patent # to General Notes.	KP	6/13/12
	9	3335	Braid Shield P/N Change.	KP	4/2/13
	9	3428	Remove Patent # from General Notes.	J Sanyal	7/8/13