



**CONSTRUCTION**

Signal Conductor: 0.0113" +/- 0.0001" (0.29 +/- 0.0025mm), Silver Plated Copper per ASTM B-298  
 Insulation: FEP per applicable paragraph MIL-DTL-17, 0.0363" +/- 0.001" (0.92 +/- 0.025mm) 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  
 Overall Shield Diameter: 0.046" +/- 0.002 (1.12 +/- 0.05mm)  
 Jacket: FEP in accordance with MIL-DTL-17, Type IX  
 Wall Thickness: 0.005" (0.127mm)  
 Color: Blue

Freq (GHz)	Attenuation (dB/100 ft)	Avg Power (W)
0.5	25	61
1	35	43
2	52	30
4	80	20
8	120	13
12	140	10
18	180	8

**ELECTRICAL**

Impedance: 50 +/- 1 ohms  
 Velocity Of Propagation: 70%  
 Capacitance: 29 pF/ft (95 pF/m)

**GENERAL**

Temperature Rating: -65C to 165C  
 Static Bend Radius: 0.2" (5.0mm)  
 Dynamic Bend Radius: 0.4" (10.0mm)  
 Weight: 3.5 lbs/1000ft

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	4	2776	Braid Shield to 46/6S	KP	11/3/11
	5 5	2904 2938	Braid Shield to 46/6SH. Add Patent # to General Notes.	KP KP	3/22/12 4/26/12