



**CONSTRUCTION**

Signal Conductor: 0.0113" +/- 0.0001" (0.287 +/- 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 Ref.  
 Overall Shield Diameter: 0.046" +/- 0.002 (1.168 +/- 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% Ref.  
 Capacitance: 29 pF/ft (95 pF/m) Ref.

**GENERAL**

Temperature Rating: -65C to 165C (200C Static) Ref.  
 Static Bend Radius: 0.2" (5.0mm) Ref.  
 Dynamic Bend Radius: 0.4" (10.0mm) Ref.  
 Weight: 3.5 lbs/1000ft Ref.



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	7	4600	Update Spec Format.	KP	8/18/15
	8	4650	Update to New SAP P/N.	KP	9/8/15