



CONSTRUCTION

Signal Conductor: 0.574±0.0051mm (0.0226±0.0002"), Silver Plated Copper per ASTM B-298
 Insulation: Foamed Fluoropolymer, 1.615±0.0254mm (0.0636±0.0010") OD
 Inner Shield: Helically Overlapped Flat Silver Plated Copper per ASTM B-298
 Braid Shield: 40 AWG Silver Plated Copper per ASTM B-298, >90% Coverage Ref.
 Overall Shield Diameter: 2.108±0.076mm (0.083±0.003")
 Jacket: FEP in accordance with MIL-DTL-17, Type IX
 Wall Thickness: 0.216mm (0.0085")
 Color: Blue (Tint)

ELECTRICAL

Impedance: 50±1 ohms
 Propagation Delay: 4.216±0.033 ns/m (1.285±0.010 ns/ft)
 Velocity of Propagation: 79.4% Ref.
 Capacitance: 83.37 pF/m (25.59 pF/ft) Ref.

MECHANICAL

Operating Temperature: -65°C to 150°C Ref.
 Min. Static Bend Radius: 8.89mm (0.35") Ref.

| Freq (GHz) | Max. Attenuation* (dB/100 ft) | Max. Power* (CW) |
|-----------------------------------|-------------------------------|------------------|
| 1 | 19.67 | 135.7 |
| 2 | 28.34 | 94.2 |
| 4 | 41.12 | 64.9 |
| 8 | 60.24 | 44.3 |
| 12 | 75.75 | 35.2 |
| 18 | 95.72 | 27.9 |
| 26.5 | 120.30 | 22.2 |
| 34 | 139.82 | 19.1 |
| 40 | 154.44 | 17.3 |
| 50 | 177.38 | 15.0 |
| Attn=K1 x SQRT(F MHz)+K2 x(F MHz) | | |
| K1=0.5937 | | K2=0.000892 |
| * 23°C and Sea Level | | |



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| | F | 5564 | Updated Max Power Table. | KP | 6/8/18 |
| | G | 5679 | Updated Prop Delay Value. | KP | 2/19/19 |