



CONSTRUCTION

Signal Conductor: 0.0201" +/- 0.0002" (0.51 +/- 0.0051 mm), Silver Plated Copper per ASTM B-298

Insulation: FEP per applicable paragraph MIL-DTL-17, 0.065" +/- 0.001" (1.65 +/- 0.0256 mm) 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

Overall Shield Diameter: 0.085" +/- 0.002 (2.18 +/- 0.05 mm)

Jacket: FEP in accordance with MIL-DTL-17, Type IX

Wall Thickness: 0.008" (0.19 mm)

Color: Blue

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: 0.3" (7.6 mm)

Dynamic Bend Radius: 0.6" (15 mm)

Weight: 13 lbs/1000ft

Patent No.: US 7,795,536 B2

| Freq (GHz) | Attenuation (dB/100 ft) | Avg Power (W) |
|------------|-------------------------|---------------|
| 0.5 | 16 | 168 |
| 1 | 24 | 117 |
| 2 | 34 | 80 |
| 4 | 48 | 55 |
| 8 | 70 | 37 |
| 12 | 88 | 32 |
| 18 | 111 | 23 |



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|--|-----|------|--|-------|----------|
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| | 7 | 2832 | Flat Served Shield Lay Length Change. Add Braid Shield Supplier. | KP | 12/21/11 |
| | 7 | 2934 | Add Patent # to General Notes. | KP | 4/26/12 |
| | 8 | 2997 | Change Flat Served Shield Size. | RP | 7/24/12 |

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