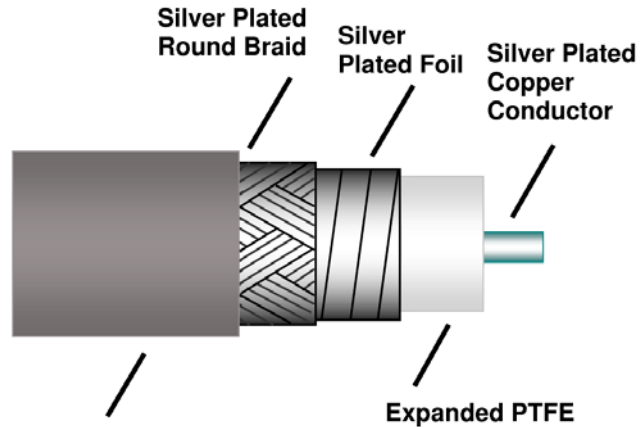


K Series K501-240

| Electrical Properties (Cable Only) | |
|------------------------------------|----------|
| Impedance (ohms) | 50 |
| Velocity of Propagation (%) | 85% |
| Min. Shielding Effectiveness (dB) | 100 |
| Phase vs. Flexure | Figure 3 |
| Phase vs. Temperature | Figure 4 |
| Min. Breakdown Voltage (KV) | 7 |
| Capacitance (pf/ft) | 24 |
| Inductance (nH/ft) | 61 |
| Max Operating Freq (GHz) | 40.0 |
| Max Structural VSWR | 1.25:1 |

| Physical Properties (Cable Only) | |
|-----------------------------------|------------|
| Maximum Temperature (deg C) | -65 / +200 |
| Recommended Temperature (deg C) | -65 / +165 |
| Outdoor Jacket Option (in) | 0.192 |
| High Temp. Jacket Option (in) | 0.172 |
| Round Braid O.D. (in) | 0.154 |
| Helical Foil O.D. (in) | 0.116 |
| Dielectric O.D. (in) | 0.109 |
| Solid Center Conductor (in) | 0.040 |
| Inside Min. Bend Radius (in) | 0.9 |
| Flexure Life (3x min bend radius) | >1,000 |
| Connector Retention (lbs) | >TBD |
| Axial Torque Resistance (lb-in) | >TBD |
| Weight (lbs/ft) | 0.034 |
| Crush Resistance (lbs/in) | >TBD |
| Kink Resistance (lbs) | >TBD |



Jacket Options:
-High Temp, ETFE (-65C / +165C)
-Outdoor, Polyurethane (-65C / +85C)

| Attenuation (dB/100ft) @ 25 deg C | | |
|-----------------------------------|-----------|---------|
| Frequency (GHz) | dB/100 ft | K Watts |
| 0.5 | 6.45 | 2.11 |
| 1.0 | 9.21 | 1.48 |
| 3.0 | 16.35 | 0.83 |
| 6.0 | 23.66 | 0.58 |
| 12.0 | 34.55 | 0.39 |
| 18.0 | 43.34 | 0.31 |
| 26.0 | 53.44 | 0.25 |
| 32.0 | 60.27 | 0.22 |
| 40.0 | 68.69 | 0.20 |
| K1 | 8.90 | |
| K2 | 0.31 | |

(200 Series cable series are constructed in accordance with MIL-DTL-17)

Center Conductor: Silver Plated Copper per ASTM B298
Dielectric: Type F per ASTM D4894 or D4895, Semisolid PTFE (proprietary)
Primary Shield: Silver Plated copper per ASTM B298
Secondary Shield: Silver Plated Copper per ASTM B298
High Temp Jacket: Type X per ASTM D3159, ETFE [Flame Resistance & Smoke = UL94 V-0]
Outdoor Jacket: Type XII Polyurethane (optional) [Zero Halogen, Flame Resistance & Smoke = UL94 V-0]

