



SR SERIES - SEMI-RIGID COAXIAL

- TIN PLATED COPPER OUTER CONDUCTOR
- BARE COPPER OR SILVER PLATED OUTER CONDUCTOR AVAILABLE
- NON MAGNETIC SILVER PLATED COPPER CENTER CONDUCTOR AVAILABLE
- BEST ELECTRICAL PERFORMANCE
- CUSTOM BENDING AVAILABLE

| | SR047 | SR086 | SR141 | SA086 | SA141 |
|----------------------------------|----------------------|----------------------|----------------------|------------------------|------------------------|
| MIL SPEC PART NUMBER | /151-00002 | /133-00001 | /130-00001 | /133-00013 | /133-00009 |
| Cable OD | 0.047" | 0.085" | 0.141" | 0.085" | 0.141" |
| Cable Outer Conductor | TIN PLATED COPPER | TIN PLATED COPPER | TIN PLATED COPPER | TIN PLATED ALUMINUM | TIN PLATED ALUMINUM |
| Dielectric | PTFE | PTFE | PTFE | PTFE | PTFE |
| Center Conductor Diameter | 0.116" | 0.0201" | 0.036" | 0.020" | 0.036" |
| Center Conductor | SPCCS | SPCCS | SPCCS | SPCCS | SPCCS |
| Impedance | 50 | 50 | 50 | 50 | 50 |
| Velocity of Propagation | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| Cut off Frequency | 110 | 65 | 34 | 65 | 34 |
| Min. Bend Radius | 0.125" | 0.125" | .250" | 0.075" | 0.125" |
| Temperature Range © | -40 TO 100 | -40 TO 125 | -40 TO 125 | -40 TO 125 | -40 TO 125 |
| Weight (lb/100ft) | 0.45 | 1.53 | 3.51 | 0.8 | 2.05 |

NOTE:

1. SPCCS = SILVER PLATED COPPER CLAD STEEL
2. PTFE = TEFLON

| ATTENUATION (dB/ft) | | | | | |
|---------------------|-------|-------|-------|-------|-------|
| FREQUENCY (GHz) | SR047 | SR086 | SR141 | SA086 | SA141 |
| 1 | 0.33 | 0.19 | 0.11 | 0.20 | 0.12 |
| 2 | 0.48 | 0.28 | 0.17 | 0.30 | 0.18 |
| 4 | 0.69 | 0.40 | 0.25 | 0.43 | 0.26 |
| 8 | 1.00 | 0.60 | 0.38 | 0.64 | 0.40 |
| 12 | 1.25 | 0.75 | 0.49 | 0.81 | 0.51 |
| 18 | 1.58 | 0.97 | 0.64 | 1.03 | 0.67 |
| 26 | 1.95 | 1.25 | 0.82 | 1.29 | 0.85 |
| 32 | 2.20 | 1.42 | 0.95 | 1.48 | 0.99 |
| 40 | 2.51 | 1.61 | | 1.69 | |
| 50 | 2.87 | 1.86 | | 1.96 | |



| POWER HANDLING (WATTS) | | | | | |
|------------------------|-------|-------|-------|-------|-------|
| FREQUENCY (GHz) | SR047 | SR086 | SR141 | SA086 | SA141 |
| 1 | 43 | 117 | 270 | 105 | 243 |
| 2 | 30 | 80 | 180 | 72 | 162 |
| 4 | 20 | 55 | 120 | 50 | 108 |
| 8 | 13 | 38 | 80 | 34 | 72 |
| 12 | 10 | 31 | 62 | 28 | 56 |
| 18 | 8 | 23 | 47 | 21 | 42 |
| 26 | 8 | 18 | 38 | 16 | 34 |
| 32 | 8 | 15 | 32 | 14 | 29 |
| 40 | 8 | 12 | | 11 | |
| 50 | 8 | 10 | | 9 | |

