

## SR 086-50 Specification

### Size

| Item             | Material                     | Diameter (mm) |
|------------------|------------------------------|---------------|
| Center conductor | Silver plated copper wire    | 0.53          |
| Dielectric       | PTFE                         | 1.68          |
| Outer braid      | Tin-soaked-tin plated copper | 2.20          |

### Electronics

|  |              |
|--|--------------|
| Capacitance (pF/m)                     | 95           |
| Impedance (ohm)                        | 50           |
| Corona Extinction Voltage (KVRMS@60Hz) | 1.50         |
| Voltage Withstanding (KVRMS@60Hz)      | 5.00         |
| Cut-off Frequency (GHz)                | 61           |
| Min. Bending Radius (mm)               | 7.63         |
| Outer Conductor Integrity Temp. (°C)   | 175          |
| Operating Temp. (°C)                   | -55-----+125 |

### 20°C attenuation and Power

| Frequency (GHz) | Attenuation (dB/m) | Average Power (W) |
|-----------------|--------------------|-------------------|
| 0.5             | 0.45               | 232.0             |
| 1.0             | 0.64               | 162.4             |
| 5.0             | 1.51               | 69.8              |
| 10.0            | 2.22               | 47.9              |
| 20.0            | 3.29               | 32.6              |