

## Product Specifications



### Model: RG405SR

(SF086-50)

Flexible Coaxial Cable



| Construction       | Materials                 | Outer Diameter (mm) |
|--------------------|---------------------------|---------------------|
| 1. Inner Conductor | Silvered Copper Wire      | 0.51                |
| 2. Dielectric      | PTFE                      | 1.68                |
| 3. Outer Conductor | Tin/Tri-metal Plated Tube | 2.20                |

### Electrical Specifications

|                      |               |
|----------------------|---------------|
| Cable Impedance      | 50 $\Omega$   |
| Capacitance          | 95.1 pF/m     |
| Velocity             | 70%           |
| Voltage Withstanding | 3500 Vrms     |
| Working Voltage      | 1500 Vrms     |
| Operating Frequency  | DC-61 GHz max |

### Mechanical & Environmental Specifications

|                   |                               |
|-------------------|-------------------------------|
| Bend Radius       | 7.63 mm                       |
| Temperature Range | -55 ~ +125 $^{\circ}\text{C}$ |

### Attenuation (Typical Value @ 25 $^{\circ}\text{C}$ & Sea Level)

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 500             | 0.45               |
| 1000            | 0.64               |
| 3000            | 1.26               |
| 5000            | 1.51               |
| 10000           | 2.22               |
| 20000           | 3.59               |