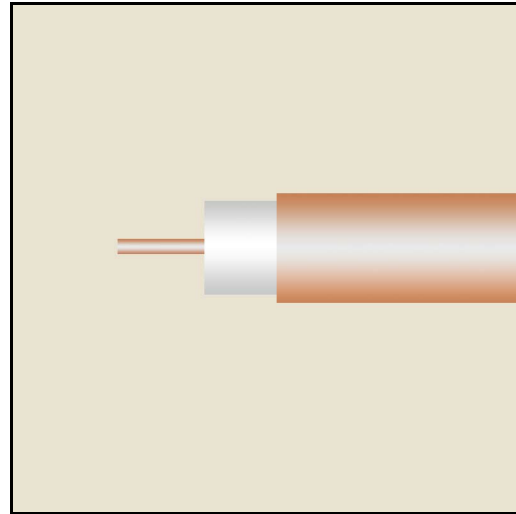


## Product Features



## Electrical Specification: T<sub>Ambient</sub> = 25° C

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|-----------|-----------------|-------|-----|---------|-----|-------|
| Impedance |                 |       |     | 25.00   |     |       |

## Mechanical And Environmental Specifications:

| Parameter       | Description | Notes |
|-----------------|-------------|-------|
| RoHS Compliance | Yes         |       |

## Drawing

| DIMENSIONS                                  |                               |
|---------------------------------------------|-------------------------------|
| Center Conductor Diameter<br>(inch)<br>(mm) | 0.0126±0.0005<br>0.32± 0.0127 |
| Dielectric Diameter<br>(inch)<br>(mm)       | 0.023 ±0.001<br>0.58 ±0.0254  |
| Outer Conductor Diameter<br>(inch)<br>(mm)  | 0.034±0.001<br>0.86 ±0.0254   |
| MATERIAL SPECIFICATIONS                     |                               |
| Outer Conductor                             | Bare Copper                   |
| Dielectric                                  | PTFE                          |
| Center Conductor                            | SPCW                          |

**Graph**

| <b>ELECTRICAL CHARACTERISTICS</b>              |              |             |       |
|------------------------------------------------|--------------|-------------|-------|
| Impedance                                      | 25±1.5       |             |       |
| Capacitance (Nominal)                          |              |             |       |
| (pF/ft)                                        | 58.0         |             |       |
| (pF/m)                                         | 190.4        |             |       |
| Corona Extinction Voltage                      |              |             |       |
| (VRMS 60Hz)                                    | 200          |             |       |
| Voltage Withstanding                           |              |             |       |
| (VRMS 60Hz)                                    | 500          |             |       |
| Cut off Frequency (GHz)                        | 148          |             |       |
| Typical Attenuation                            | Attenuation  |             | Power |
| Average Power (Watts CW) at 20°C and Sea Level | dB/<br>100Ft | dB/<br>100M |       |
| 0.5GHz                                         | 49.9         | 163.7       | 30    |
| 1GHz                                           | 70.8         | 232.2       | 21.2  |
| 5GHz                                           | 160.6        | 526.8       | 9.4   |
| 10GHz                                          | 229.5        | 752.8       | 6.6   |
| 20GHz                                          | 329.4        | 1080.4      | 4.6   |
| <b>MECHANICAL CHARACTERISTICS</b>              |              |             |       |
| Max. Operating Temperature (°C)                | 100          |             |       |
| Min. Inside Bend Radius                        |              |             |       |
| (inch)                                         | 0.125        |             |       |
| (mm)                                           | 3.18         |             |       |
| Weight                                         |              |             |       |
| (g/Ft)                                         | 1.37         |             |       |
| (g/M)                                          | 4.5          |             |       |

**Product Notes**