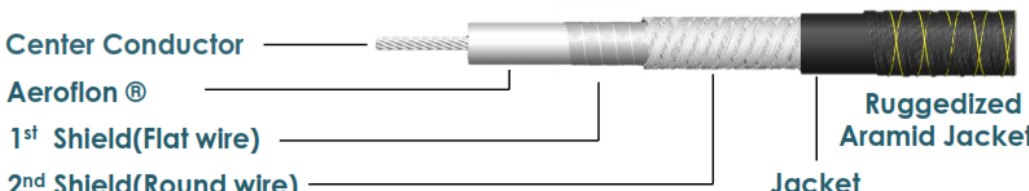


Cable Part Number: CWSVA1 (DC ~ 26.5 GHz)

Construction



| Part | Material | Diameter | |
|------|--|---------------------------------|---|
| 1 | Center Conductor | Silver Plated Copper [Stranded] | Φ 19 / 0.287 [mm] Φ 19 / 0.0113 [inch] |
| 2 | Dielectric | Aeroflon® [Extruded] | |
| 3 | 1 st / 2 nd Shield | Silver Plated Copper | |
| 4 | Jacket | Ruggedized Aramid Yarn | Φ 6.70 ± 0.1 [mm] Φ 0.263 ± 0.003 [inch] |

Electrical & Mechanical specification

| | |
|-----------------------------|---|
| Characteristic Impedance | 50 ± 1 Ω |
| Operating Frequency | DC to 26.5 GHz |
| Temperature | -50 °C ~ +135 °C |
| Velocity of Propagation | 77% nominal |
| Minimum Bend Radius | 30 mm / 1.18 inch |
| Weight [g/m] | 81.4 |
| Shielding Effectiveness | <-100 dB |
| Phase Stability vs. Flexure | 6° max. @26.5GHz |
| Loss Stability vs. Flexure | Δ 0.1dB to 26.5GHz |
| Available Connector | 3.5mm / HF SMA / SMA / N(18GHz) / 2.4mm |

| Raw Cable Insertion Loss [25°C, at Sea Level] | | | Average Power Rating [CW, 25°C, at Sea Level] | |
|--|--------|----------|--|--------|
| Frequency | [dB/m] | [dB/ft.] | Frequency | [Watt] |
| 1 GHz | - 0.25 | - 0.076 | 1 GHz | 665 |
| 3 GHz | - 0.45 | - 0.137 | 3 GHz | 371 |
| 6 GHz | - 0.65 | - 0.198 | 6 GHz | 272 |
| 10 GHz | - 0.88 | - 0.268 | 10 GHz | 211 |
| 12 GHz | - 0.97 | - 0.296 | 12 GHz | 192 |
| 18 GHz | - 1.25 | - 0.381 | 18 GHz | 157 |
| 26.5 GHz | - 1.55 | - 0.473 | 26.5 GHz | 130 |

Microwave Cable

DC ~ 26.5GHz phase stable cable