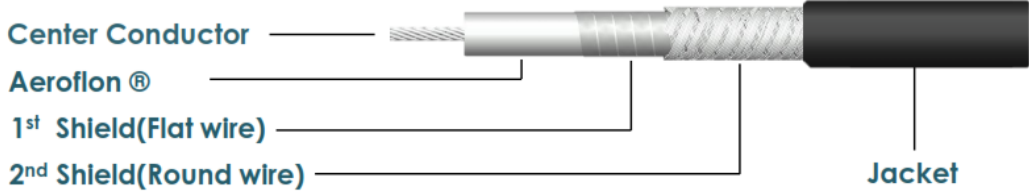


## Cable Part Number: CWSVS1 (DC ~ 26.5 GHz)

### 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 <sup>st</sup> / 2 <sup>nd</sup> Shield	Silver Plated Copper
4	Jacket	High Temperature Resin Φ 6.20 ± 0.1 [mm] Φ 0.244 ± 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]	73.4
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)

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