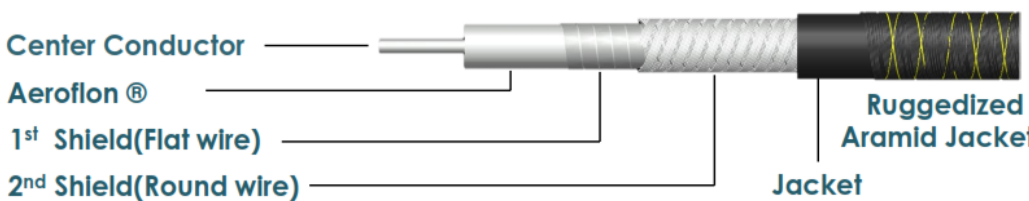


## Cable Part Number: CWSVA2d (DC ~ 33 GHz)

### Construction



Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Solid] Φ 1.12 [mm] Φ 0.044 [inch]
2	Dielectric	Aeroflon® [Extruded]
3	1 <sup>st</sup> / 2 <sup>nd</sup> Shield	Silver Plated Copper
4	Jacket	Ruggedized Aramid Yarn Φ 5.80 ± 0.1 [mm] Φ 0.228 ± 0.003 [inch]

### Electrical & Mechanical specification

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 33 GHz
Temperature	-50 °C ~ +135 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	25 mm / 0.98 inch
Weight [g/m]	59.2
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	10° max. @33GHz
Loss Stability vs. Flexure	Δ 0.1dB to 33GHz
Available Connector	HF SMA

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	- 0.31	- 0.095	1 GHz	561
3 GHz	- 0.55	- 0.168	3 GHz	324
6 GHz	- 0.67	- 0.204	6 GHz	229
12 GHz	- 1.05	- 0.320	12 GHz	162
18 GHz	- 1.30	- 0.396	18 GHz	133
28 GHz	- 1.70	- 0.518	28 GHz	106
33 GHz	- 1.85	- 0.564	33 GHz	98

Microwave Cable

DC ~ 33GHz phase stable cable