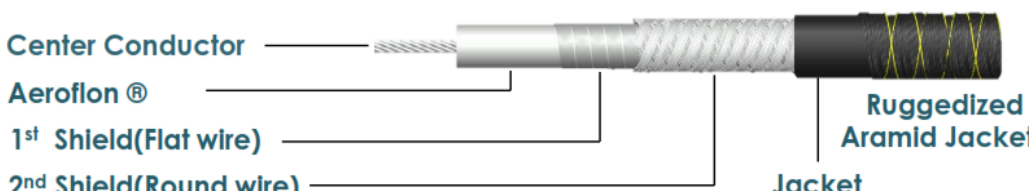


Cable Part Number: CWSVA2 (DC ~ 33 GHz)

Construction



Part	Material	Diameter	
1	Center Conductor	Silver Plated Copper [Stranded]	Φ 19 / 0.225 [mm] Φ 19 / 0.0088 [inch]
2	Dielectric	Aeroflon® [Extruded]	
3	1 st / 2 nd 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]	58.9
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	- 0.33	- 0.101	1 GHz	505
3 GHz	- 0.56	- 0.171	3 GHz	292
6 GHz	- 0.75	- 0.229	6 GHz	206
12 GHz	- 1.07	- 0.326	12 GHz	146
18 GHz	- 1.40	- 0.427	18 GHz	119
28 GHz	- 1.79	- 0.546	28 GHz	96
33 GHz	- 2.00	- 0.610	33 GHz	88

Microwave Cable

DC ~ 33GHz phase stable cable