


## Cable Part Number : CSVF1 (DC ~ 26.5 GHz)

### Construction



Stranded  
Center Conductor  
Aeroflon®  
1<sup>st</sup> Shield(Flat wire)  
2<sup>nd</sup> Shield(Round wire)  
Jacket

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	FEP	Φ 5.60 ± 0.1 [mm] Φ 0.220 ± 0.003 [inch]

### Electrical & Mechanical specification

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 26.5 GHz
Temperature	-50 °C ~ +125 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	58
Shielding Effectiveness	<-90 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	696
3 GHz	-0.45	-0.137	3 GHz	398
6 GHz	-0.65	-0.198	6 GHz	285
10 GHz	-0.88	-0.268	10 GHz	220
12 GHz	-0.97	-0.296	12 GHz	201
18 GHz	-1.25	-0.381	18 GHz	164
26.5 GHz	-1.55	-0.473	26.5 GHz	136