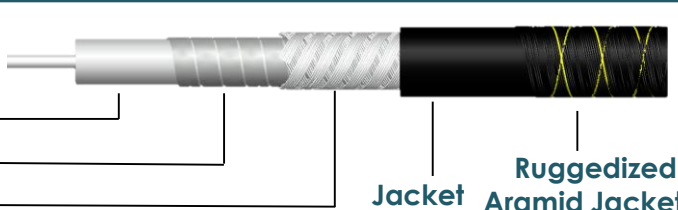


Cable Part Number : 5A67D (DC ~ 67 GHz)

Construction



Solid

Center Conductor

Aeroflon®

1st Shield (Flat wire)

2nd Shield (Round wire)

Jacket

Ruggedized Aramid Jacket

Part	Material	Diameter
1	Center Conductor	Silver Plated Copper [Solid] Ø 0.5 [mm] Ø 0.020 [inch]
2	Dielectric	Aeroflon® [Extruded]
3	1 st / 2 nd Shield	Silver Plated Copper
4	Jacket	Ruggedized Aramid Yarn Ø 3.6 ± 0.1 [mm] Ø 0.142 ± 0.003 [inch]

Electrical & Mechanical specification

Characteristic Impedance	50 ± 1 Ω
Operating Frequency	DC to 67 GHz
Temperature	-50 °C ~ + 85 °C
Velocity of Propagation	77% nominal
Minimum Bend Radius	30 mm / 1.18 inch
Weight [g/m]	25
Shielding Effectiveness	<-100 dB
Phase Stability vs. Flexure	15° max. @67GHz
Loss Stability vs. Flexure	Δ 0.1dB to 67GHz
Available Connector	1.85mm

Bulk Cable Attenuation (Typ.) [25°C, at Sea Level]			Average Power Rating [CW, 25°C, at Sea Level]	
Frequency	[dB/m]	[dB/ft.]	Frequency	[Watt]
1 GHz	- 0.70	- 0.213	1 GHz	229
6 GHz	- 1.75	- 0.533	6 GHz	104
18 GHz	- 3.12	- 0.951	18 GHz	68
27 GHz	- 3.88	- 1.183	27 GHz	60
33 GHz	- 4.32	- 1.317	33 GHz	56
40 GHz	- 4.80	- 1.463	40 GHz	53
50 GHz	- 5.43	- 1.655	50 GHz	50
67 GHz	- 6.40	- 1.951	67 GHz	46

Microwave Cable

DC ~ 67GHz phase stable cable