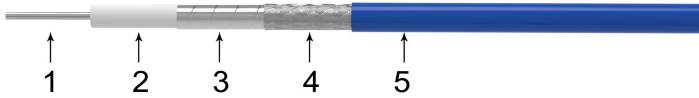


### Features & Benefits

- Ideal for high density and high frequency applications
- Ultra small size with tight bend radius 6 mm
- Flexible alternative to 047 semi-rigid & semi-flexible
- Broad frequency range to 67GHz, cutoff frequency 110 GHz

### Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.29	Silver plated copper
2	Dielectric	0.94	Solid PTFE
3	Outer Conductor	1.14	Silver plated copper tape wrap
4	Outer Shield	1.34	Silver plated copper wire braid
5	Jacket	1.60	FEP



### Electrical

Frequency	DC-67 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>90 dB
Withstanding Voltage	500 V

### Mechanical & Environmental

Min. Bending Radius Static	6mm
Min. Bending Radius Repeated	16mm
Weight	22g/m
Temperature(Operation)	-55~125 °C
Temperature(Storage)	-65~125 °C

### Attenuation(Typical@25°C & VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	40000	50000	67000
dB/100 Meter	64.7	119.7	171.3	246.5	305.8	357.0	402.9	445.1	557.0	692.5	877.4	999.8	1190
Avg. Power kW	0.069	0.037	0.026	0.018	0.015	0.012	0.011	0.010	0.009	0.008	0.006	0.005	0.004

Attenuation at any frequency = [3.6710461 × SQRT(FMHz)] + [0.0035795 × FMHz]

### Available connectors

Cable P/N	Connectors	Gender	Orientation	Mounting	Max Freq.(GHz)	VSWR Max
SP160	SMA	Male	Straight	Standard	18	1.2
SP160	SMA	Female	Straight	Standard	18	1.25
SP160	SMP	Female	Straight	Standard	18	1.35
SP160	SSMP	Female	Straight	Standard	40	1.4
SP160	SSMP	Male	Right Angle	Standard	40	1.6
SP160	2.92	Male	Straight	Standard	40	1.3
SP160	2.4	Male	Straight	Standard	50	1.35
SP160	1.85	Male	Straight	Standard	67	1.4

Other connectors available upon request.