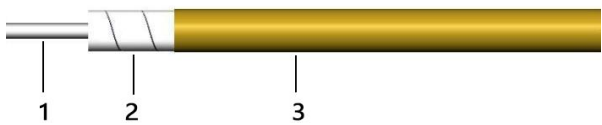


## Features & Benefits

- Operating to 110 GHz
- Available in bulk cable or custom cable assemblies
- Lower loss than equivalent 047 cable
- Ideal for space and time saving installation

## Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.29	Solid silver-plated copper
2	Dielectric	0.86	LD-PTFE
3	Outer Conductor	1.20	Bare copper or ternary alloy plated copper



## Electrical

Frequency	DC-110 GHz
Impedance	50 Ω
Velocity of Propagation	74%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	300 V

## Mechanical & Environmental

Inside Bend Radius	5mm
Weight	12g/m
Temperature (Operation)	-60~200 °C

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

Frequency MHz	1000	2000	4000	6000	8000	10000	18000	26500	40000	50000	67000	110000
dB/100 Meter	109.9	156.2	222.2	273.5	317.1	355.8	482.9	591.5	735.6	828.8	970.3	1399.0
Avg.Power kW	0.048	0.033	0.023	0.019	0.016	0.015	0.011	0.009	0.007	0.006	0.005	0.004

Attenuation up to 67 GHz=[3.4380000×SQRT(FMHz)]+[0.001200×FMHz]

## Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG047	1.0mm	Male	Clamp	Standard	110	1.4
SG047	1.85mm	Male	Clamp	Standard	67	1.4
SG047	2.4mm	Male	Clamp	Standard	50	1.3
SG047	2.92mm	Male	Clamp	Standard	40	1.25
SG047	2.92mm	Female	Clamp	Standard	40	1.3
SG047	SMA	Male	Direct solder	Standard	26.5	1.25
SG047	SMA	Female	Direct solder	Standard	26.5	1.3

Other connectors available upon request.