

Features & Benefits

- 086 size, operating to 50 GHz
- Available in bulk cable or custom cable assemblies
- Low attenuation and VSWR
- Formstable for convenient and precise installations

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.56	Solid silver-plated copper
2	Dielectric	1.68	LD-PTFE
3	Outer Conductor	2.18	Bare copper or ternary alloy plated copper

Electrical

Frequency	DC-50 GHz
Impedance	50 Ω
Velocity of Propagation	74%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	600 V

Mechanical & Environmental

Inside Bend Radius	7mm
Weight	19g/m
Temperature (Operation)	-60~200 °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	18000	26500	30000	40000	50000
dB/100 Meter	30.0	55.0	78.2	111.3	136.9	158.7	178.1	241.7	296.0	316.0	368.0	414.6
Avg.Power kW	0.476	0.259	0.183	0.128	0.104	0.090	0.080	0.059	0.048	0.045	0.039	0.034
Attenuation at any frequency=[1.7220000×SQRT(FMHz)]+[0.0005900×FMHz]												

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG086	2.92mm	Male/Female	Direct solder/Clamp	Standard	40	1.3
SG086	2.4mm	Male	Direct solder/Clamp	Standard	50	1.35
SG086	SMA	Male/Female	Direct solder	Standard	18	1.25
SG086	SMA	Male/Female	Clamp	Standard	26.5	1.3

Other connectors available upon request.