

Features & Benefits

- 141 size, operating to 26.5 GHz
- Excellent temp phase stability < 750ppm(-50~+85 °C)
- Lowest loss performance for its size
- Ideal for precise installation in high-end equipment

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	1.05	Solid silver-plated copper
2	Dielectric	3.00	LD-PTFE wrapping
3	Outer Conductor	3.58	Bare copper or ternary alloy plated copper

Electrical

Frequency	DC-26.5 GHz
Impedance	50 Ω
Velocity of Propagation	81%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	1000 V
Temperature phase stability	<750ppm(-50~+85 °C)

Mechanical & Environmental

Inside Bend Radius	13 mm
Weight	45g/m
Temperature (Operation)	-60~200 °C

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

Frequency MHz	500	1000	2000	3000	6000	8000	10000	12000	14000	16000	18000	26500
dB/100 Meter	21.7	30.8	43.9	54.0	77.1	89.5	100.5	110.6	119.9	128.6	136.9	168.1
Avg.Power kW	1.121	0.789	0.555	0.451	0.316	0.272	0.242	0.220	0.203	0.189	0.178	0.145
Attenuation at any frequency=[0.961145×SQRT(FMHz)]+[0.000440×FMHz]												

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG141L	SMA	Male	Direct solder	Standard	26.5	1.3
SG141L	SMA	Female	Direct solder	Standard	26.5	1.35
SG141L	2.92mm	Male	Direct solder	Standard	26.5	1.3

Other connectors available upon request.