

Features & Benefits

- 141 size
- Available in bulk cable or custom cable assemblies
- Operating to 18 GHz
- Formstable for convenient and precise installations

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.92	Solid silver-plated copper
2	Dielectric	2.99	PTFE
3	Outer Conductor	3.58	Bare copper or ternary alloy plated copper

Electrical

Frequency	DC-18 GHz
Impedance	50 Ω
Velocity of Propagation	70%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	1000 V

Mechanical & Environmental

Inside Bend Radius	13 mm
Weight	41g/m
Temperature (Operation)	-60~200 °C

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

Frequency MHz	500	1000	2000	4000	6000	8000	10000	12000	12400	14000	16000	18000
dB/100 Meter	26.4	38.0	55.3	81.2	102.2	120.8	137.8	153.6	156.7	168.6	182.9	196.6
Avg.Power kW	1.113	0.771	0.531	0.361	0.287	0.243	0.213	0.191	0.187	0.174	0.160	0.149

Attenuation at any frequency=[1.120966666×SQRT(FMHz)]+[0.002569045×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG141S	SMA	Male	Direct solder	Standard	18	1.3
SG141S	SMA	Female	Direct solder	Standard	18	1.35
SG141S	N type	Male	Direct solder	Standard	11	1.3

Other connectors available upon request.