

Features & Benefits

- 141 size, operating to 26.5 GHz
- Available in bulk cable or custom cable assemblies
- Lower loss than equal size equivalent cable
- Formstable for convenient and precise installations

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.99	Solid silver-plated copper
2	Dielectric	3.00	LD-PTFE
3	Outer Conductor	3.58	Bare copper or ternary alloy plated copper

Electrical

Frequency	DC-26.5 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>120 dB @8 GHz
Working Voltage (DC)	1000 V

Mechanical & Environmental

Inside Bend Radius	13mm
Weight	41g/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	4000	6000	8000	10000	12000	14000	16000	18000	26500
dB/100 Meter	21.8	31.0	44.2	63.1	78.0	90.7	102.0	112.4	122.0	131.0	139.6	172.1
Avg.Power kW	0.840	0.591	0.414	0.290	0.235	0.202	0.179	0.163	0.150	0.140	0.131	0.106
Attenuation at any frequency=[0.9610400×SQRT(FMHz)]+[0.0005904×FMHz]												

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
SG141	SMA	Male	Direct solder	Standard	26.5	1.3
SG141	SMA	Female	Direct solder	Standard	26.5	1.35
SG141	SMA	Male	Direct solder	Right Angle	12.4	1.25
SG141	SMA	Female	Direct solder	Standard	12.4	1.3
SG141	N type	Male	Direct solder	Standard	18	1.3

Other connectors available upon request.