

SiteLine™ Field & Production Test Cable – SL Series

Most Rugged – Flightline • Antenna/Base Station • “Gorilla-Proof” Production • Outdoor/Range



Available Connectors

1.85mm, 2.4mm, 2.92mm, 3.5mm, 7mm, 7-16, SMA, TNC, Type N

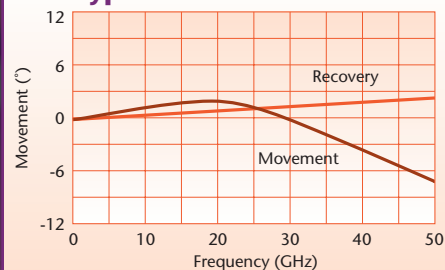
For use with
**Site Master™ &
Site Analyzer®**

SiteLine™ Typical Insertion Loss_{dB}

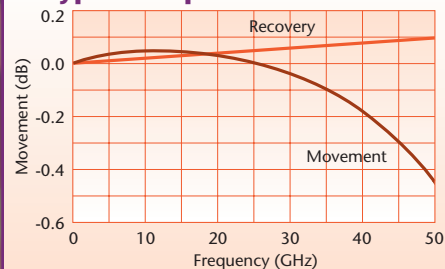
= (Attenuation)(Length) + 2(Connector Loss)

Frequency GHz	Band	Part No.	Attenuation		Conn. Loss dB	SWR
			dB/ft	dB/m		
0.512	UHF	SL4	0.08	0.27	0.02	1.04:1
0.900			0.11	0.36	0.02	1.05:1
1.000			0.12	0.39	0.02	
1.900	L	SL4	0.17	0.56	0.03	1.10:1
2.000	S		0.17	0.57	0.03	
3.000	C	SL4	0.22	0.73	0.04	1.20:1
4.000			0.26	0.86	0.04	
6.000	X	SL8	0.34	1.10	0.06	1.25:1
8.000			0.40	1.31	0.07	
10.000	Ku	SL18	0.46	1.50	0.08	1.30:1
12.400			0.53	1.74	0.08	
14.000			0.58	1.89	0.09	
18.000	K	SL26	0.69	2.26	0.11	1.35:1
20.000			0.74	2.44	0.12	
22.000	Ka	SL40	0.79	2.61	0.13	1.40:1
26.500			0.91	2.99	0.15	
28.000			0.95	3.11	0.16	
30.000	mm	SL50	1.00	3.27	0.17	1.45:1
32.000			1.05	3.43	0.18	
38.000			1.19	3.90	0.22	1.50:1
40.000			1.24	4.06	0.25	
50.000			1.47	4.82	0.37	

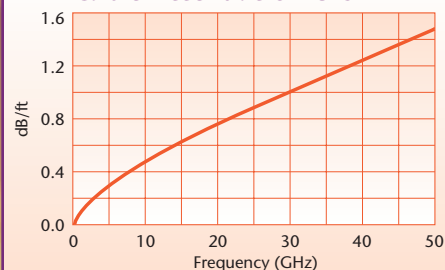
Typical Phase vs. Flexure



Typical Amplitude vs. Flexure



Cable Attenuation @ STP



SiteLine™ Electrical Data

Maximum Frequency	50 GHz
Impedance	50 Ω nominal
Propagation Velocity	69% nominal
Time Delay	1.47 ns/ft (4.82 ns/m)
Capacitance	29.0 pF/ft (95.1 pF/m)
Shielding Effectiveness	> -90 dBc

SiteLine™ Mechanical Data

Jacketed Outer Diameter	0.500 in (12.70 mm)
Bend Radius	1.500 in (38.10 mm)
Operating Temperature Range	-40 to 176°F (-40 to +80°C)
Weight	0.150 lbs/ft (0.223 kg/m)
Pull Strength	200 lbs (91 kg)
Crush Resistance	250 lbs/in (45 kg/cm)
Flexibility Rating – Highest = 5.0	4.5

SiteLine™ Cable Construction

Inner Conductor	Solid Ag-plated Cu
Dielectric	PTFE
Outer Conductor	Cu GrooveTube®
Ruggedization	Metal Braid over Metal Armor
Outer Jacket	Neoprene