



Excellence in RF & Microwave Cables

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SiteLine™ Armored Test Cable

Series SL Field and Production Test Cable

The MegaPhase® SiteLine™ cable is a rugged armored cable assembly for on-site field testing using portable network analyzers. This cable is constructed with MegaPhase's industry-leading GrooveTube®. The assembly is torque-, crush-, and weather resistant for rugged production environments. The SL series cable features extreme flexibility, and applications include rugged production environments, flightline, antenna/base station, and outdoor/range. For use with SiteMaster™ and Site Analyzer®.



Frequency (GHz)	Band	Attenuation (dB/ft)	Attenuation (dB/m)	Conn. Loss (dB/each)	VSWR (x.xx:1) ¹
0.5	UHF	0.08	0.27	0.01	1.10
1.0	L	0.12	0.39	0.01	1.10
2.0	S	0.18	0.59	0.02	1.15
3.0		0.23	0.74	0.03	1.15
6.0	C	0.35	1.14	0.06	1.20
8.0	X	0.42	1.37	0.07	1.20
12.4		0.56	1.82	0.10	1.30
18.0	Ku	0.72	2.35	0.14	1.30
26.5	K	0.94	3.07	0.19	1.35
34.0	Ka	1.12	3.68	0.24	1.40
40.0		1.26	4.14	0.28	1.45
50.0	V	1.49	4.89	0.34	1.50

¹Typical @ 25° C. Actual values are connector dependent

Electrical Data	
Frequency, max., GHz	50
Impedance, nominal, Ω	50
Propagation Velocity, nominal (%)	69
Capacitance, nominal pF/ft (pF/m)	29 (95.1)
Shielding Effectiveness, min (dB)	-115

Mechanical Data	
Finished Diameter, nominal, in (mm)	0.50 (1.27)
Bend Radius, min., in (mm)	1.5 (3.81)
Temperature Range, min °C	-65 to +120
Crush Resistance	250 lbs/in
Weight, nominal, lbs/ft (kg/m)	0.15 (0.22)

Construction	
Inner Conductor	Solid Ag-plated Cu
Dielectric	Solid PTFE
Outer Conductor	Copper GrooveTube®
Standard Jacket, Armor	Neoprene, Metal Braid/Metal Conduit

Phase Matching, RoHS Compliance, and other Features Available on Request!

