

news

Just Released

Best in Class SLA Series Cable from Semflex Outperforms Standards in Attenuation and Phase Stability

Semflex Inc., a manufacturer of microwave frequency coaxial cable for the telecommunications, mil/aero and test instrumentation markets, announced the introduction of a new Best in Class microwave cable that delivers the lowest attenuation available among industry cable offerings. This series is specifically matched to the maximum frequency ranges of popular such as N type, SMA, 2.92mm,

and 1.85mm. This unique low loss double-shielded cable builds on the technology developed for the company's popular LA290 cable and provides the best available combination of low attenuation and phase stability. The SLA series is ideally suited for instrument grade applications such as PNA/VNA testing and phase critical applications such as ECM and radar.

The low attenuation characteristic of the SLA series is accomplished with the use of silver plated inner and outer conductors and microporous dielectric PTFE material. Low loss,

phase stability and shielding effectiveness of >100 dB result from combining a helically served flat braid with a second shield of 97% minimum coverage round braid. Additional performance characteristics include low loss of 19.5 dB/100 ft @ 18.0 GHz with outstanding phase and temperature stability.

SLA Series cable is stocked and available for immediate delivery on bulk reels. Rapid response, made-to-order cable assemblies are also available with a wide range of connectors and configurations. For product information and ordering call **1-800-778-4401** or visit the company's website at **www.semflex.com**.



APPLICATIONS:

- Instrument grade applications such as PNA/VNA testing
- Phase critical applications such as ECM and radar

SPECIFICATIONS

	SLA67	SLA40	SLA26	SLA18
Inside Min. Bend Radius	0.5"	0.7"	1.1"	1.5"
Operating Temperature (°C)	-65/200	-65/200	-65/200	-65/200
Weight (lbs/ft)	.02	.04	.06	.08
Impedance (ohms)	50	50	50	50
Capacitance (pf/ft)	25	25	25	24
Shielding Effectiveness (db)	>100	>100	>100	>100
Cut Off Frequency (GHz)	67	40	26.5	18
Velocity of Propagation	80%	81%	82%	85%
Breakdown Voltage (KV)	>2	>6	>12	>15
Max Structural VSWR	1.20:1	1.20:1	1.20:1	1.20:1

The Difference Starts With The Cable

Semflex
a STRATOS company