news

Just Released

Semflex Introduces New Cost-Effective BPE Series Cable For Volume Wireless Communication Applications

APPLICATIONS:

- *Volume Wireless Communications*

Semflex Inc., a manufacturer of coaxial cable for the telecommunications, mil/aero and test instrumentation markets, announced the introduction of the new BPE Series cable for 50 ohm applications up to 6 GHz where microwave performance characteristics need to be managed but temperature range and higher frequency performance of PTFE dielectric is not required. Available in a full range of sizes from 0.100" to 0.600 ", BPE cable is ideally suited for antenna feeds over short distances. Smaller gauge 0.100" to 0.300" sizes offer a low cost alternative to popular RG316 and RG142 cable commonly used for interconnects and jumpers between racks, cabinets and enclosures. Larger 0.400" - 0.600" sizes offer electrical performance similar to corrugated copper cables but with greater flexibility, simplified connector attachment, and lower cost.

BPE cable offers shielding effectiveness of greater than 90 dB, derived from a combination of a bonded aluminum foil and tin plated copper braid wire. A closed micro-cell Polyethylene dielectric offers excellent attenuation properties with a micro-cell foam structure that leads the industry in return loss consistency and mechanical bending properties. Jackets are available in standard Polyethylene or fire retardant PVC. Temperature range for the product line is 40 degrees to 85 degrees C and the max structural VSWR rating is 1.25:1.

BPE Series cable fits standard industry connectors and is stocked and available for immediate delivery on bulk reels. For product information and ordering call ***1-800-778-4401*** or visit the company's website at ***www.semflex.com***

SPECIFICATIONS

	BPE 100	BPE 195	BPE 200	BPE 240	BPE 300	BPE 400	BPE 500	BPE 600
Inside Min. Bend Radius (inches)	.25	.50	.50	.75	.88	1.00	1.25	1.50
Weight (lbs/ft)	.015	.021	.022	.035	.055	.066	.096	.130
Capacitance (pf/ft)	30.0	24.3	24.5	24.2	24.1	23.9	23.6	23.4
Inductance (nH/ft)	73	66	59	60	61	59	58	58
Velocity of Propagation	66%	80%	83%	84%	85%	85%	86%	87%

The Difference Starts With The Cable

Semflex
a STRATOS company