

news

Just Released

New RG+ Coaxial Cable Offers Improved Performance, Lowers Cable Assembly Costs

Semflex Inc., a manufacturer of bulk cable for the telecommunications, mil/aero and test instrumentation markets, announced the introduction of RG+ 142, a light-weight flexible coaxial cable designed for commercial and mil/aero applications. This cable delivers significantly superior transmission line characteristics over

standard RG cable; i.e., at 6 GHz the performance rating via test is 50% better in SWR (1.15:1 vs. 1.30:1) and 22% better in attenuation (38 dB/100' vs 48 db/100 feet). In addition, RG+ is 60% lighter than standard cable and exhibits greatly enhanced temperature stability characteristics. These combined improvements in performance enables longer install runs without concern about signal delivery degradation.

Operating temperature range of the RG+ cable is -65/+125 deg C. The outer shield construction consists of a braided aluminum layer over an aluminum foil providing >85 dB of shielding. The interior dielectric is an expanded polytetrafluorethelene providing low attenuation/high

propagation velocity through a lower dielectric constant value and superior temperature characteristics, particularly as compared to extruded PTFE cores. This cable is especially flexible, well suited for installation in tight spaces, and accommodates commercially available crimp style connectors.

RG+ cable 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



APPLICATIONS:

- Commercial
- Military
- Aerospace

SPECIFICATIONS

Low Attenuation	38 dB/100 ft @ 6 GHz
Velocity of Propagation	82%
Phase Stable vs. Temp	< 900 PPM change from -65° to +100° C
Shielding Effectiveness	> 85 db
Cable Dimension	.172 OD
Operating Temperature	-65° to +125° C
Standards	MIL-C-39012, MIL-STD-348A, MIL-C-17 and other applicable industry specs

The Difference Starts With The Cable

Semflex
a STRATOS company