

news

Just Released

Top Selling Semflex HP Cable Now Available With Polyurethane Jacket *Popular HP series offered with optional polyurethane jacket for improved flexibility and abrasion, more size choices for greater utility*



APPLICATIONS:

- Communication
- Test
- Military/Aerospace

Semflex Inc., a manufacturer of microwave frequency coaxial cable for the telecommunications, mil/aero and test instrumentation markets, announced that their top-selling HP cable series has been

expanded to include additional sizes and an optional polyurethane jacket feature. The polyurethane jacket adds substantially improved flexibility and abrasion resistance for applications from -65° to $+85^{\circ}$ C. Now available in five sizes ranging from HP 120 to HP 450, the HP cable series has become the industry's favorite durable cable for communication, test and military/aerospace microwave frequency applications where compliance to tight electrical specifications and/or exposure to extreme environmental conditions are required.

The HP Series delivers low attenuation performance through the use of silver plated copper inner and outer conductors. Microporous PTFE dielectrics and FEP jackets achieve consistent phase performance over temperature

extremes, outperforming comparable products with solid PTFE dielectrics. Shielding effectiveness of >90 dB results from a triple shield construction of two 97% coverage braids (flat and round braid) and foil. The robust construction also provides substantially better radial torque resistance and connector pull-off strength than helically wrapped braid designs.

HP 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

SPECIFICATIONS

	HP120s	HP160s	HP190s	HP305s	HP450
Inside Min. Bend Radius	.6"	.9"	1.1"	1.8"	2.5"
Operating Temperature	-65/200 ($^{\circ}$ C)	-65/200 ($^{\circ}$ C)	-65/200 ($^{\circ}$ C)	-65/200 ($^{\circ}$ C)	-65/200 ($^{\circ}$ C)
Weight (lbs/ft)	.02	.04	.05	.09	.20
Impedance (ohms)	50	50	50	50	50
Capacitance (pf/ft)	26.7	26.9	26.7	26.2	26
Inductance (nH/ft)	67	66	66	66	62
Shielding Effectiveness	>90 (dB)	>90 (dB)	>90 (dB)	>90 (dB)	>90 (dB)
Cut Off Frequency	55 GHz	40 GHz	28 GHz	18 GHz	12 GHz
Velocity of Propagation	75.5%	76%	76.5%	77%	78%
Breakdown Voltage (KV)	>5	>7	>10	>15	>20
Max Structural VSWR	1.15:1	1.15:1	1.15:1	1.15:1	1.15:1

The Difference Starts With The Cable

Semflex
a STRATOS company