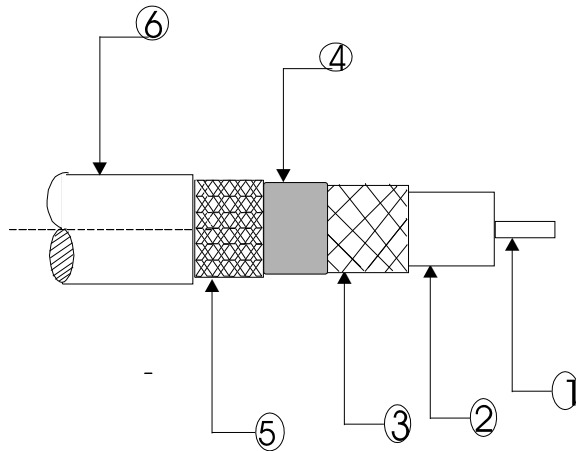




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Approvals	Date
Originator: E. NAVARRETE	7-19-89
Documentation: E. NAVARRETE	7-19-89
Engineering: R. THIELE	1-29-08
Quality Assurance M. SCHWARTZ	1-29-08

<p><u>CABLE MANUFACTURING</u></p> <p><u>PROCESS SHEET</u></p> <p>HP190S</p> <p>P/N: 88127-XX</p>
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PHYSICAL CHARACTERISTICS

DASH NUMBER: (02) Polyurethane Jacket

ITEM DESCRIPTION	CONSTRUCTION
1. CENTER CONDUCTOR	Silver Plate Copper, (solid) Diameter: .051 ± .001"
2. DIELECTRIC	Taped Micro-Porous PTFE Diameter: .151" nominal
3. OUTER CONDUCTOR	Silver Plated copper flat braid Diameter: .163" nominal
4. INTERLAYER	Helically Wrapped Metalized Film Diameter: .172" nominal
5. SHIELD	Silver Plated Copper Round Braid Diameter: .188" nominal
6. JACKET	Extruded Polyurethane, Blue Tint. Diameter .235" ± .008"
7. MARKINGS	Semflex Inc. HP190 SP YYMM WO

MATERIALS IN ACCORDANCE WITH ASTM-B-298, OR L-P-389, OR L-P-403 AS APPLICABLE.

Electrical Performance Characteristics

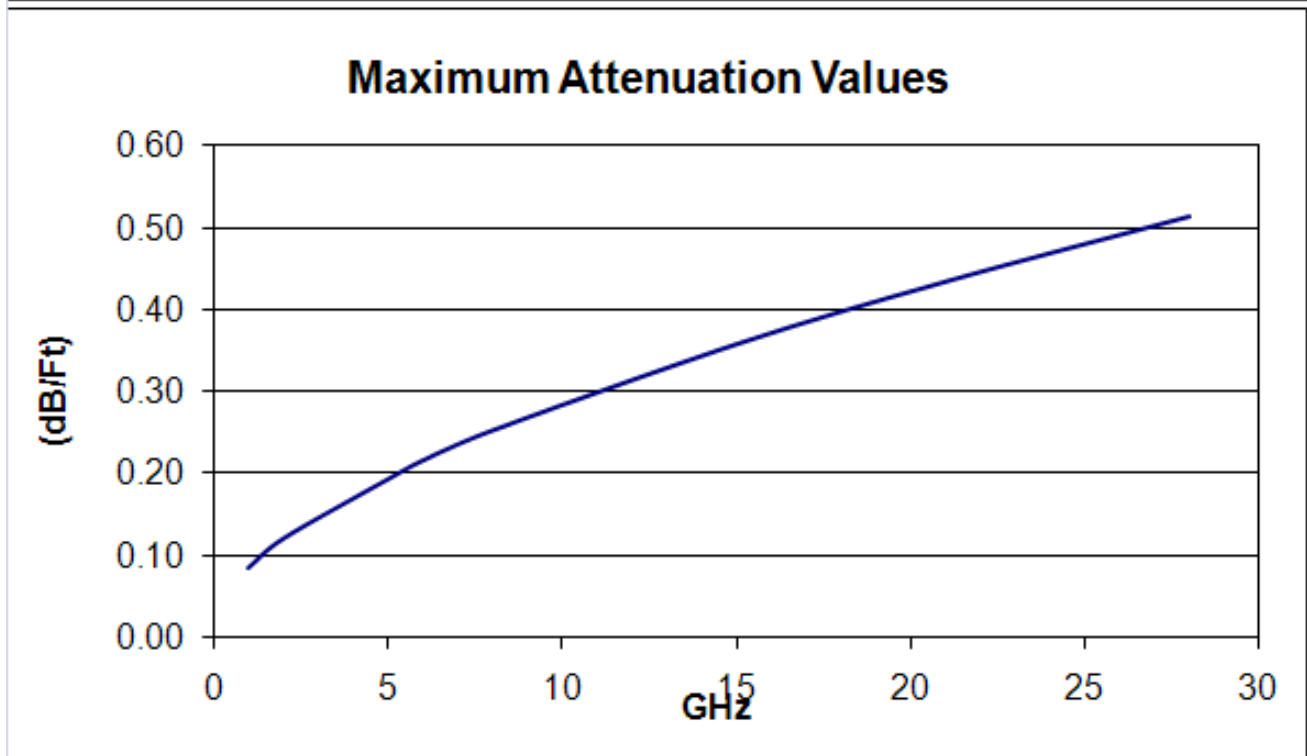
VSWR : 1.20:1 Max
 Impedance : 50 +/- 2 Ohms
 Attenuation : Graph shows Maximum Attenuation values at 68 Deg F
 Velocity of Propagation: 75 % Nominal
 Delay: 1.35 ns/ft
 Capacitance: 26.7 pF
 Maximum Freq: 28 GHz.

***Note: For -5G only**

VSWR: 1.10:1 Max
 Test Freq: 0-5Ghz

*This cable is for Lockheed cable assy with tight VSWR requirement.

Freq(GHz)	1	2	5	6	8	15	21	28
Attenuation(dB/Ft)	0.083	0.119	0.192	0.215	0.252	0.358	0.435	0.515



Cable meets or exceeds the physical, electrical, and environmental requirements of MIL-C-17.