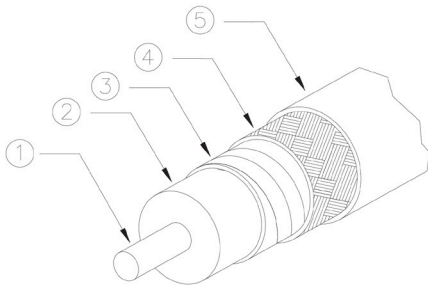




LA190S is a cable design of low loss, high Vp, phase stability and light weight cable for high altitude and space flight applications. The cable is built with ultra low density ePTFE.

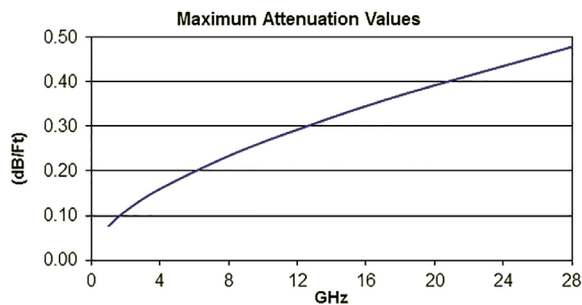
- Weight per unit length of cable: (0.034lbs/FT)
30% lighter than HP190S and SW180
- Lower attenuation vs. similar size RG type cable
- 15% better IL @ 18 Ghz over SW180
- Operating Frequency: DC-28 Ghz
- Greater Phase Stability due to higher Vp
- Helically wrapped flat braid for 100% coverage and better shielding effectiveness

Mechanical Characteristics



Part	Description	Diameter
1 - Center Conductor	Silver Plated Copper	0.055" +/- 0.001
2 - Dielectric	Microporous ePTFE	0.140" (nominal)
3 - Outer Conductor	Helically Wrapped Silver Plated Copper Flat Braid	0.158 (nominal)
4 - Shield	Silver Plated Copper Round Wire	0.174" (nominal)
5 - Jacket	Extruded FEP	0.189" +/- 0.005

Electrical Properties



Freq (Ghz)	1	2	4	8	12	18	28
Attenuation (dB/Ft)	0.077	0.111	0.160	0.234	0.293	0.370	0.479
VSWR	1.20: 1 Max						
Impedance	50 +/- 2 ohms						
Velocity of Propagation	85% Nominal						
Delay	1.20 ns/ft						
Capacitance	23.8 pF/ft						
Maximum Frequency	28 Ghz						