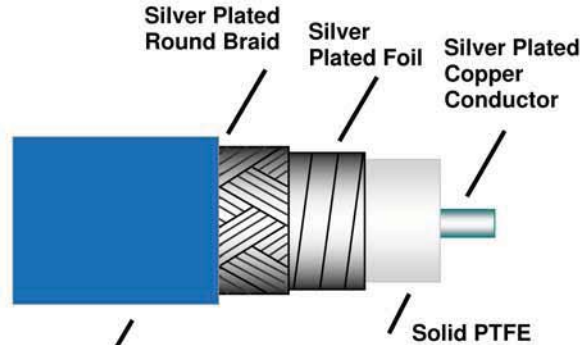


V Series V251-086

Electrical Properties (Cable Only)	
Impedance (ohms)	50
Velocity of Propagation (%)	70%
Min. Shielding Effectiveness (dB)	100
Phase vs. Flexure	Figure 3
Phase vs. Temperature	Figure 4
Min. Breakdown Voltage (KV)	4
Capacitance (pf/ft)	32
Inductance (nH/ft)	67
Max Operating Freq (GHz)	18.0
Max Structural VSWR	1.25:1

Physical Properties (Cable Only)	
Maximum Temperature (deg C)	-65 / +125
Recommended Temperature (deg C)	-45 / +125
High Temp. Jacket Option (in)	0.100
Round Braid O.D. (in)	0.083
Helical Foil O.D. (in)	0.066
Dielectric O.D. (in)	0.060
Solid Center Conductor (in)	0.020
Inside Min. Bend Radius (in)	0.5
Flexure Life (3x min bend radius)	>1,000
Connector Retention (lbs)	>TBD
Axial Torque Resistance (lb-in)	>TBD
Weight (lbs/ft)	0.013
Crush Resistance (lbs/in)	>TBD
Kink Resistance (lbs)	>TBD



Attenuation (dB/100ft) @ 25 deg C		
Frequency (GHz)	dB/100 ft	K Watts
0.5	14.64	0.92
1.0	21.06	0.62
3.0	38.01	0.36
6.0	55.88	0.22
12.0	83.28	0.15
18.0	106.00	0.12
K1	19.85	
K2	1.21	

(This cable series is constructed in accordance with MIL-DTL-17)

Center Conductor: Silver Plated Copper per ASTM B298
Dielectric: Type F per ASTM D4894 or D4895, Semisolid PTFE (proprietary)
Primary Shield: Silver Plated copper per ASTM B298
Secondary Shield: Silver Plated Copper per ASTM B298
High Temp Jacket: Type X per ASTM D3159, ETFE [Flame Resistance & Smoke = UL94 V-0]
Outdoor Jacket: Type XII Polyurethane (optional)
 [Zero Halogen, Flame Resistance & Smoke = UL94 V-0]

