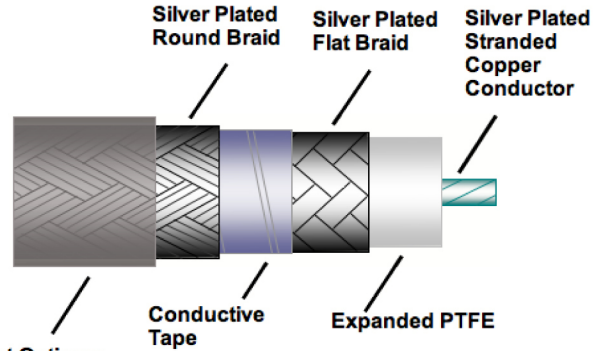


CERNEXWAVE

V Serie V251-465

Electrical Properties (Cable Only)	
Impedance (ohms)	50
Velocity of Propagation (%)	76%
Min. Shielding Effectiveness (dB)	90
Phase vs. Flexure	Figure 3
Phase vs. Temperature	Figure 4
Min. Breakdown Voltage (KV)	4
Capacitance (pF/ft)	28
Inductance (nH/ft)	65
Max Operating Freq (GHz)	65.0
Max Structural VSWR	1.25:1

Physical Properties (Cable Only)	
Maximum Temperature (deg C)	-65 / +200
Recommended Temperature (deg C)	-65 / +165
Outdoor Jacket Option (in)	0.110
High Temp. Jacket Option (in)	0.102
Round Braid O.D. (in)	0.084
Helical Foil O.D. (in)	0.065
Flat Braid O.D. (in)	0.060
Dielectric O.D. (in)	0.055
Stranded Center Conductor (in)	0.019
Inside Min. Bend Radius (in)	0.5
Flexure Life (3x min bend radius) <i>(for higher flex life consult factory)</i>	>500,000
Connector Retention (lbs)	>TBD
Axial Torque Resistance (lb-in)	>TBD
Weight (lbs/ft)	0.013
Crush Resistance (lbs/in)	>TBD
Kink Resistance (lbs)	>TBD



Jacket Options:
 -High Temp, ETFE (-65°C / +165°C)
 -Outdoor, Polyurethane (-65°C/+85°C)

Attenuation (dB/100ft) @ 25 deg C		
Frequency (GHz)	dB/100 ft	K Watts
0.5	20.68	0.55
1.0	29.48	0.39
3.0	52.08	0.22
6.0	75.05	0.16
12.0	108.95	0.11
18.0	136.08	0.09
26.0	167.04	0.07
32.0	187.84	0.07
40.0	213.39	0.06
50.0	242.80	0.05
70.0	295.95	0.04
K1	28.68	
K2	0.80	

(400 Series cables are constructed in accordance with MIL-DTL-17)

Center Conductor: Stranded, 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
Second Shield: Conductive Tape (proprietary)
Third 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]

