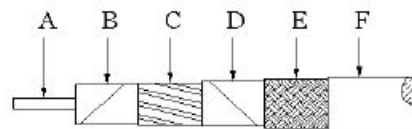


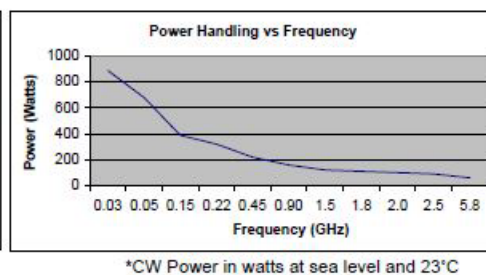
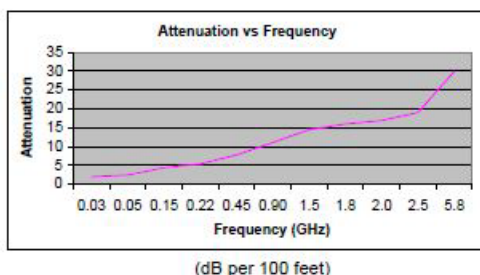
LMR Cable Assemblies are the most suitable selection for interconnect applications up to 5.8 GHz. They offer low loss and high shielding at very reasonable costs. Typical connector types are SMC, TNC, N, BNC, UHF and 7/16 DIN.



Electrical Data			
Frequency, Max (GHz)	5.8		
Impedance, nominal ( $\Omega$ )	50		
Velocity of Propagation (%)	76		
Shielding Effectiveness, 1 GHz (dB/ft)	>90		
Capacitance (pF/ft)	25.4		
Delay (ns/ft), (ns/meter)	1.27	4.17	
Attenuation k1 (db/100ft) @ 23 deg C	0.35686		Attenuation (typical) at any Frequency = $k1 \times \text{SqRt}(\text{FMHz}) + k2 \times (\text{FMHz})$
Attenuation k2 (db/100ft) @ 23 deg C	0.0047		

Mechanical Data			
Weight (lbs/100ft), (Kg/100m)	2.10	3.16	
Temperature Range ( $^{\circ}\text{C}$ )	-40 to 85		
Minimum Bend Radius (inch), (mm)	0.50	12.70	

Construction Data				
Inner Conductor (inch)	A	Solid	0.037	Bare Copper
Dielectric (inch)	B		0.110	Foam Polyethylene
First Outer Shield (inch)	C		0.116	Aluminum Tape
Second Outer Shield (inch)	D		0.139	Tinned Copper
Third Outer Shield (inch)	E			
Jacket (inch O.D.)	F	Extruded	0.195	Polyethylene Color Black



#### QUICK SPEC

Max Frequency	Loss @ 5 GHz	Cable Diameter	Shielding Effect.
5.8 GHz	30 dB	0.195"	>90