



**.047 DIA.
50 OHM COPPER**

		HCMC PART NUMBERS		
ELECTRICAL DATA	HC 10000-1	HC 10000-3		
Impedance (Ohms)	50 +/- 1.5	50 +/- 1.5		
Dielectric Strength (KVRMS 60 Hz)	2	2		
Corona Extinction (KVRMS 60 Hz)	1 Min	1 Min		
Max Operating Frequency (GHz)	109	109		
MAX ATTENUATION, db/100 FT. AT 20°C AND AVG. PWR., WATTS, UNITY VSWR, 40°C AMB., STILL AIR				
FREQUENCY GHz	ATTEN.	AVG. PWR.	ATTEN.	AVG. PWR.
1.0	34	56	34	56
10.0	114	17	114	17
20.0	166	11	166	11
MECHANICAL DATA				
Inner Conductor O.D. (inches)	.0113 +/- .0005	.0113 +/- .0005		
Inner Conductor Material	SPCW	SPCW		
Inner Dielectric Material	PTFE, F1	PTFE, F1		
Dielectric O.D. (inches)	.037 +/- .001	.037 +/- .001		
Outer Conductor O.D. (inches)	.047 +/- .001	.047 + .002 - .001		
Outer Conductor Material	COPPER	COPPER/TIN		
Safe Bend Radius (proper tooling) (inch)	.050	.050		
Max. Weight (lbs./1000 ft.)	4.3	4.5		
Operating Temp. Max. Degrees C	-55 / +150	-55 / +150		