

MILITARY (MIL-C-17) CABLES

.141 DIA.

50 OHM COPPER

MIL-C-17 Part No.	M17/130-RG402 M17/130-00004	M17/130-00001 M17/130-00005		
HCMC Part No.	HC 90000-1	HC 90000-3		
ELECTRICAL DATA	Impedance Ohms	50 ± 1.0	50 ± 1.0	
	Dielectric Strength KVRMS 60 Hz	5.0	5.0	
	Corona Extinction KVRMS 60 Hz	1.9 Min.	1.9 Min.	
	Max. Operation Frequency-GHz	36	36	
	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	12.0	450	12.0	450
10.0	45.0	120	45.0	120
20.0	70.0	70	70.0	70

MECHANICAL DATA	Inner Conductor O.D. (inches)	.0362 ± .0007	.0362 ± .0007
	Inner Conductor Material	SPCW	SPCW
	Dielectric O.D. (inches)	.1175 ± .001	.1175 ± .001
	Outer Conductor O.D. (inches)	.141 ± .001	.141 +.002 -.001
	Outer Conductor Material	Copper	Copper/Tin
	Safe Bend Radius (Proper Tooling) (inch)	.150	.150
	Max. Weight Lbs./1000 ft.	34.4	35.1
	Operating Temperature Max. Degrees C	-55/ +125	-55/ +125

HCMC Part No's	Outer Conductor Material/Finish	Inner Conductor Material/Dielectric
HC 90000-1 HC 90000-3	COPPER COPPER/TIN	SPCW/PTFE, F1 SPCW/PTFE, F1

