

MILITARY (MIL-C-17) CABLES

**.250 DIA.
NON-MAGNETIC**

50 OHM COPPER

MIL-C-17 Part No.	M17/129-RG401	M17/129-00001		
HCMC Part No.	HC 40001-1	HC 40001-3		
ELECTRICAL DATA	Impedance Ohms	50 ± 0.5	50 ± 0.5	
	Dielectric Strength KVRMS 60 Hz	7.5	7.5	
	Corona Extinction KVRMS 60 Hz	3.0 Min.	3.0 Min.	
	Max. Operating Frequency-GHz	20	20	
	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	7.5	1400	7.5	1400
10.0	33.0	350	33.0	350
20.0	48.0	200	48.0	200

MECHANICAL DATA	Inner Conductor O.D. (inches)	.0641 ± .001	.0641 ± .001
	Inner Conductor Material	SPC	SPC
	Dielectric O.D. (inches)	.209 ± .002	.209 ± .002
	Outer Conductor O.D. (inches)	.250 ± .001	.250 +.002 -.001
	Outer Conductor Material	Copper	Copper/Tin
	Safe Bend Radius (Proper Tooling) (inch)	.500	.500
	Max. Weight Lbs./1000 ft.	105	106
	Operating Temperature Max. Degrees C	-55 /+ 125	-55 /+ 125

HCMC Part No's	Outer Conductor Material/Finish	Inner Conductor Material/Dielectric
HC 40001-1 HC 40001-3	COPPER COPPER/TIN	SPC/PTFE, F1 SPC/PTFE, F1

