

MILITARY (MIL-C-17) CABLES

.086 DIA.

50 OHM COPPER

* C = coil

MIL-C-17 Part No.	M17/133-RG405 M17/133-00006	M17/133-00001 M17/133-00007	M17/133-00002 M17/133-00008	M17/133-00003 M17/133-00009	
HCMC Part No.	HC 70000-1-C	HC 70000-3	HC 70001-1	HC 70001-3	
ELECTRICAL DATA	Impedance Ohms	50 ± 1.0	50 ± 1.0	50 ± 1.0	50 ± 1.0
	Dielectric Strength KVRMS 60 Hz	5.0	5.0	5.0	5.0
	Corona Extinction KVRMS 60 Hz	1.5 Min.	1.5 Min.	1.5 Min.	1.5 Min.
	Max. Operating Frequency-GHz	40	40	40	40
	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.	Atten. Avg. Pwr.	Atten. Avg. Pwr.
1.0	22.0 130	22.0 130	22.0 130	22.0 130	
10.0	80.0 35	80.0 35	80.0 35	80.0 35	
20.0	120.0 20	120.0 20	120.0 20	120.0 20	

MECHANICAL DATA	Inner Conductor O.D. (inches)	.0201 ± .0005	.0201 ± .0005	.0201 ± .0005	.0201 ± .0005
	Inner Conductor Material	SPCW	SPCW	SPC	SPC
	Dielectric O.D. (inches)	.066 ± .002	.066 ± .002	.066 ± .002	.066 ± .002
	Outer Conductor O.D. (inches)	.0865 ± .001	.0865 + .002 - .001	.0865 ± .001	.0865 + .002 - .001
	Outer Conductor Material	Copper	Copper/Tin	Copper	Copper/Tin
	Safe Bend Radius (Proper Tooling) (inch)	.100	.100	.100	.100
	Max. Weight Lbs./1000 ft.	15.3	15.8	15.2	15.7
	Operating Temperature Max. Degrees C	-55/ +125	-55 /+125	-55/ +125	-55/ +125

HCMC Part No's	Outer Conductor Material/Finish	Inner Conductor Material/Dielectric
HC 70000-1 HC 70000-3 HC 70001-1 HC 70001-3	COPPER COPPER/TIN COPPER COPPER/TIN	SPCW/PTFE, F1 SPCW/PTFE, F1 SPC/PTFE, F1 SPC/PTFE, F1