

MILITARY (MIL-C-17) CABLES

MIL-C-17 Part No.		M17 / 129-RG401	M17 / 129-00001		
WAVETRONIX Part No.		810701	810705		
ELECTRICAL DATA	Impedance / Tolerance (Ohms)	50 ± 0.5	50 ± 0.5		
	Dielectric Strength (KVRMS @ 60Hz)	7.5	7.5		
	Corona Extinction (KVRMS @ 60Hz)	3.0 Min.	3.0 Min.		
	Max. Operating Frequency (GHz)	20	20		
	Attenuation (db / 100 ft. at 25°C) and Avg. Pwr. (Watts @ unity VSWR & 40°C amb.)				
Frequency (GHz)		Atten. (db)	Avg. Pwr. (Watts)	Atten. (db)	Avg. Pwr. (Watts)
0.1		2.0	4900	2.0	4900
1.0		7.0	1400	7.0	1400
10.0		30.0	350	30.0	350
20.0		46.0	200	46.0	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)	.205 ± .001	.250 + .002 - .001		
	Outer Conductor Material	Copper	Copper / Tin		
	Safe Bend Radius (inch)	0.375	0.375		
	Max. Weight (Lbs / Ft.)	0.105	0.105		
	Operating Temperature Range Degrees C	-40°C to +100°C	-40°C to +100°C		
WAVETRONIX Part No's.		Outer Conductor Material / Finish	Inner Conductor Material / Dielectric Material		
810701		Copper	SPC / PTFE, FI		
810705		Copper / Silver	SPC / PTFE, FI		