

# Coaxial Cable

**WAVETRONIX**



**.047 dia.**

## MILITARY (MIL-C-17) CABLES



	MIL-C-17 Part No.	M17 / 151-00001	M17 / 151-00002		
	WAVETRONIX Part No.	810500	810504		
<b>ELECTRICAL DATA</b>	Impedance / Tolerance (Ohms)	50 ± 2.5	50 ± 2.5		
	Dielectric Strength (KVRMS @ 60Hz)	2.0	2.0		
	Corona Extinction (KVRMS @ 60Hz)	1.0 Min.	1.0 Min.		
	Max. Operating Frequency (GHz)	40	40		
	Attenuation (db / 100 ft. at 25°C) and Avg. Pwr. (Watts @ unity VSWR & 40°C amb.)				
	<b>Frequency (GHz)</b>	<b>Atten. (db)</b>	<b>Avg. Pwr. (Watts)</b>	<b>Atten. (db)</b>	<b>Avg. Pwr. (Watts)</b>
	0.1	10.7	175	10.7	175
	1.0	34.2	51	34.2	51
	10.0	112.9	15	112.9	15
	20.0	168.8	12	168.8	12
<b>MECHANICAL DATA</b>	Inner Conductor O.D. (inches)	.0113 ± .0005	.0113 ± .0005		
	Inner Conductor Material	SPCW	SPCW		
	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 (inch)	0.10	0.10		
	Max. Weight (Lbs / Ft.)	0.0045	0.0048		
	Operating Temperature Range Degrees C	-40°C to +100°C	-40°C to +100°C		
	<b>WAVETRONIX Part No's.</b>	<b>Outer Conductor Material / Finish</b>	<b>Inner Conductor Material / Dielectric Material</b>		
	810500 810504	Copper Copper / Tin	SPCW / PTFE, FI SPCW / PTFE, FI		



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