

.047 Dia, 50 OHM, MIL-DTL-17

ELECTRICAL DATA		HC10000-1 / WIN10000-1 M17/151-00001	HC10000-3 / WIN10000-3 M17/151-00002		
Impedance (Ohms)		50 +/- 1.5	50 +/- 1.5		
Dielectric Strength (KVRMS 60 Hz)		2	2		
Corona Extinction (KVRMS 60 Hz)		1 MIN	1 MIN		
Max Operating Frequency (GHz)		109	109		
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		34	56	34	56
10.0		114	17	114	17
20.0		166	11	166	11
MECHANICAL DATA					
Inner Conductor O.D. (inches)		.0113 +/- .0005	.0113 +/- .0005		
Inner Conductor Material		SPCW	SPCW		
Inner Dielectric Material		PTFE, F1	PTFE, F1		
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 (proper tooling) (inch)		.050	.050		
Max. Weight (lbs./1000 ft.)		4.3	4.5		
Operating Temp. Max. Degrees C		-55 / +150	-55 / +150		
Package Options: -C (coiled) -S (5 ft straight lengths)					
Rev	DCN No.	Date	App.		
A1	21-1129	2/11/2021	TA		
AA	21-1476	6/4/2021	TA		
AB	21-2138	12/15/2021	TA		
AC	22-1220	3/14/2022	TA		