



MVE Low Loss Flexible MCBL-LL110.50

110GHz Coax Test Cable

Features:

- FREQUENCY: 110GHz
- High Flexibility
- 80%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- ROHS compliant

Applications:

- RF & Microwave Test and Calibration
- Research and Development Labs
- Interconnect RF Equipment in Narrow Environment
- Military / Commercial Communication Systems Interconnect

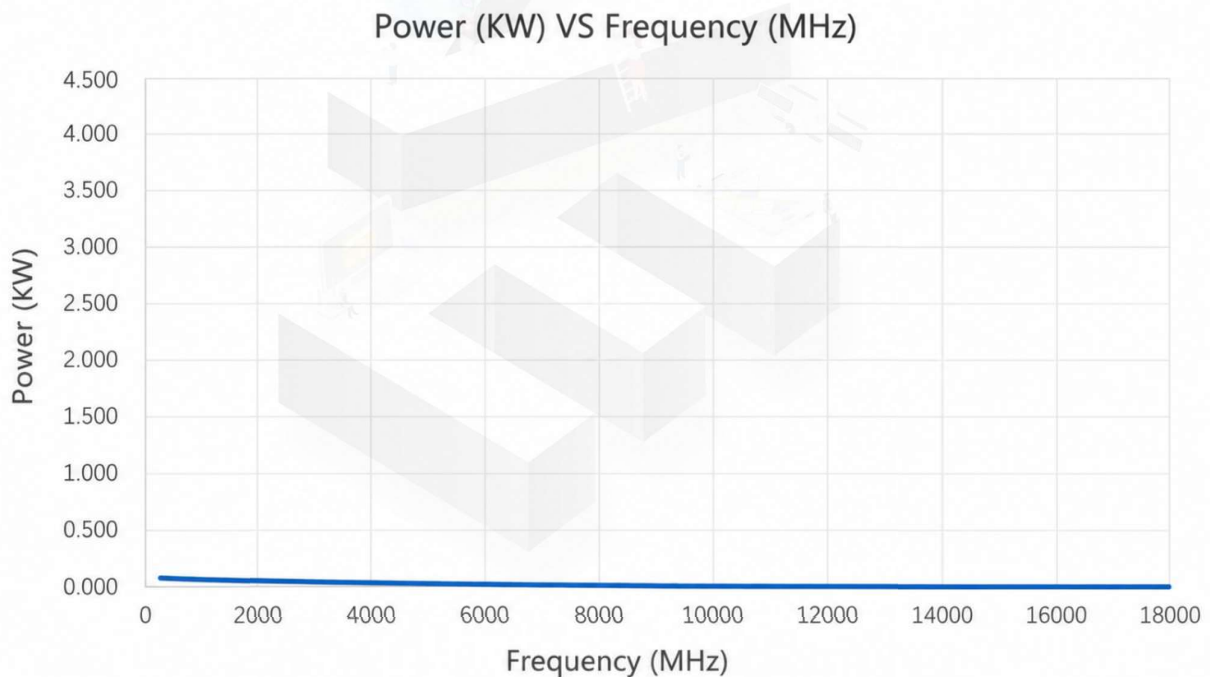
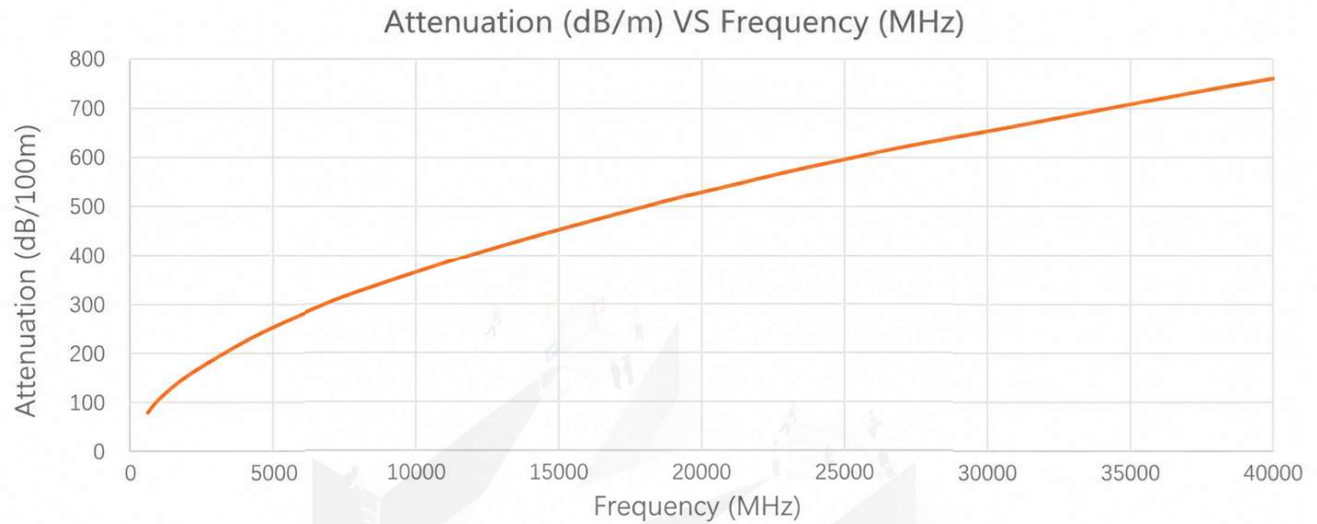
Specifications

CONSTRUCTION											
ITEM			MATERIAL					DIAMETER			
INNER CONDUCTOR			Silver Plated Copper					0.3 ±0.02mm			
DIELECTRIC			LD PTFE					0.8 ±0.05mm			
OUTER CONDUCTOR			Silver-plated Copper Foil					0.93 ±0.05mm			
OUTER SHIELDING			Round Silver-plated Copper					1.15 ±0.05mm			
JACKET			Gray PFA					1.43±0.1mm			
ELECTRICAL DATA											
ITEM			SPECIFICATION								
FREQUENCY			110GHz								
CHARACTERISTIC IMPEDANCE			50 ±1.5Ohm								
BEND RADIUS(mm)			6 mm (installation)/ 15mm (Repetition)								
OPERATING TEMP			-55°C~ +125°C								
SHIELDING EFFECTIVENESS			Typically <-90 dB								
VOLTAGE WITHSTAND (V,DC)			500								
VELOCITY OF PROPAGATION			80.0 %								
WEIGHT(g/m)			15								
TYP. ATTENUATION(25°C) and TYP. AVG. POWER (40°C)											
Freq.(GHz)	1	2	4	6	8	16	18	26.5	40	67	110
dB/100m	113.73	161.55	229.9	282.91	327.99	469.57	499.31	611.52	760.40	1002.71	1314.28
Power kW	0.039	0.027	0.019	0.065	0.014	0.009	0.008	0.007	0.006	0.004	0.003

K1= 3.6372400

K2= 0.0019400

Equation= K1*√FMHz+K2*FMHz



NOTES:
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

