

# MVE Low Loss Flexible Phase stable Coax Cable

## MCBL-LL186P.50

### Features:

- FREQUENCY UP TO 18GHz
- High Flexibility
- Phase & Loss Stable
- High Matching Cycles, Stainless Steel Connectors
- ROHS compliant



### Specifications

CONSTRUCTION									
ITEM	MATERIAL								
INNER CONDUCTOR	Silver-Plated Copper								
DIELECTRIC	Low Density PTFE								
INNER SHIELDING	Silver-Plated Copper								
OUTER SHIELDING	Silver-Plated Copper Braid								
JACKET	FEP								
DIAMETER									
	2.30mm ±0.02mm								
	6.25mm ±0.05mm								
	6.60mm ±0.05mm								
	7.10mm ±0.10mm								
	7.80mm ±0.10mm								
ELECTRICAL DATA									
ITEM	SPECIFICATION								
FREQUENCY	18GHz								
CHARACTERISTIC IMPEDANCE	50 Ohm								
BEND RADIUS,STATIC(mm)	35 mm								
BEND RADIUS,DYNAMIC(mm)	78 mm								
OPERATING TEMP	-55°C~ +165°C								
SHIELDING EFFECTIVENESS	90dB TYP.								
WORKING VOLTAGE	2000V								
VELOCITY OF PROPAGATION	83.0 %								
MECHANICAL PHASE	1°@6GHz/2°@18GHz (360 Degree Wrap Around Repeat Bend Radius)								
PHASE CHANGE VS. TEMP.	500 PPM @-55°C-85°C								
WEIGHT(g/m)	0.130								
TYP. ATTENUATION(25°C) and TYP. AVG. POWER (25°C)									
Freq.(GHz)	0.5	1	2.4	3	4	6	10	12.4	18
dB/100m	9.90	14.13	22.27	25.04	29.15	36.18	47.80	56.68	66.02
Power kW	2.570	1.800	1.143	1.050	0.873	0.740	0.533	0.474	0.410

## Cable Assembly Part Number

MVE PART NUMBER	CONECTOR 1	CONNECTOR 2	LENGTH (cm)	FREQUENCY (GHz)	VSWR
260260.LL186P.XX	N MALE	N MALE	15, 30, 50, 60, 90, 100	18	1.25
260262.LL186P3.XX	N MALE	N MALE R/A	15, 30, 50, 60, 90, 100	10	1.35
260280.LL186P.XX	N MALE	SMA MALE	15, 30, 50, 60, 90, 100	18	1.25

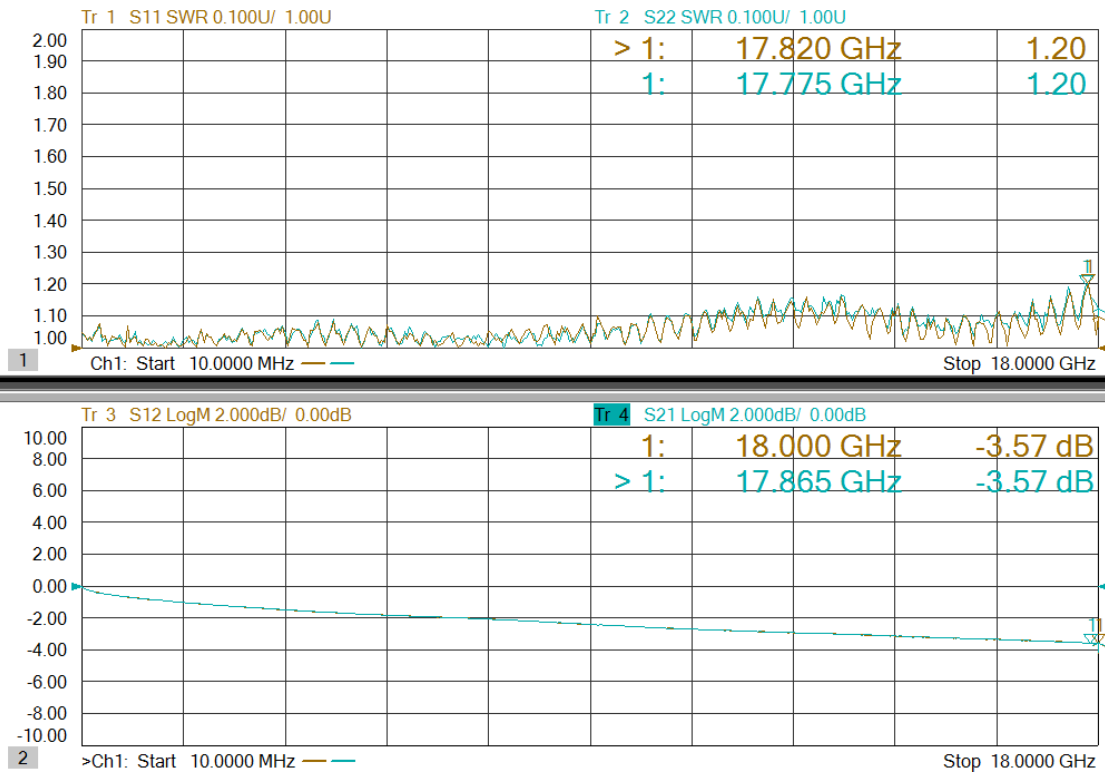
NOTES:

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



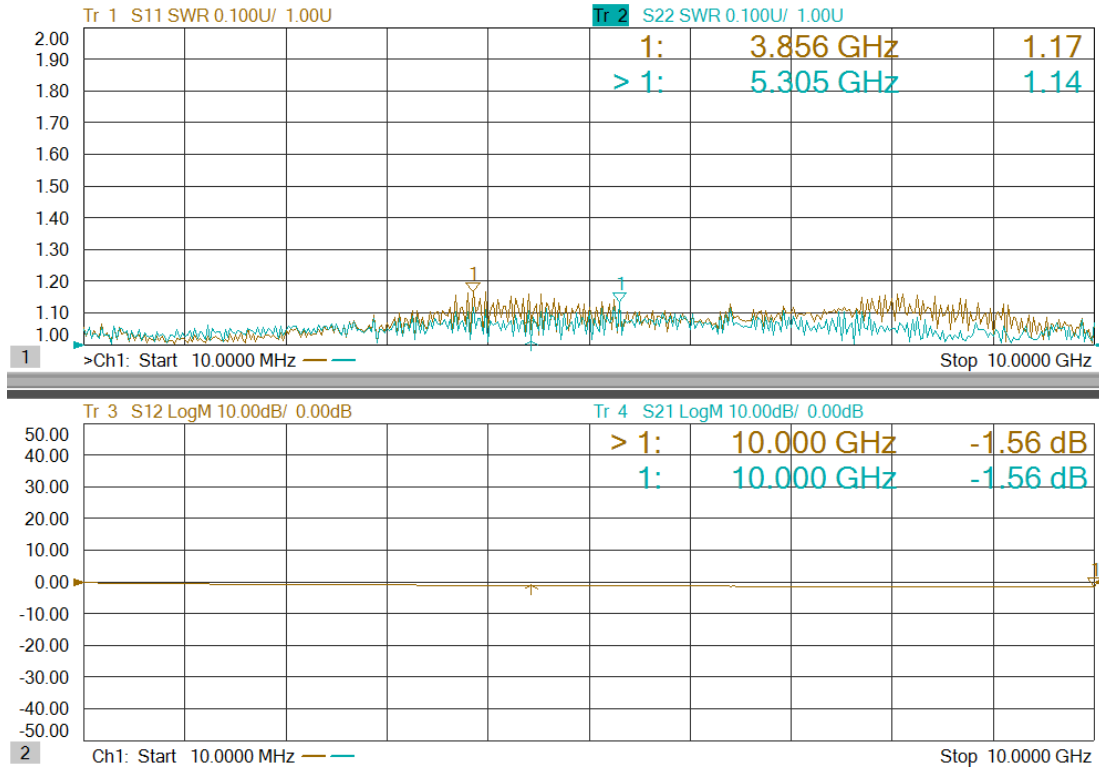
## Typical Test Result

PART NUMBER	DESCRIPTION
260260.LL186P.520	N Male To N Male, DC-18GHz LL186P Phase Stable Cable./L:520cm



## Typical Test Result

PART NUMBER	DESCRIPTION
260262.LL186P.300	N Male To N Male R/A, DC-10GHz LL186P Phase Stable Cable./L:300cm



## Typical Test Result

PART NUMBER	DESCRIPTION
260280.LL186P.150	N Male To SMA Male, DC-18GHz LL186P Phase Stable Cable./L:150cm

