

MVE Low Loss Flexible 26.5GHz Test Cables

MCBL-LL264.50



Features:

- FREQUENCY: 26.5GHz
- High Flexibility
- Phase & Loss Stable
- High Matching Cycles, Stainless Steel Connectors
- ROHS compliant
- Full Armor solutions

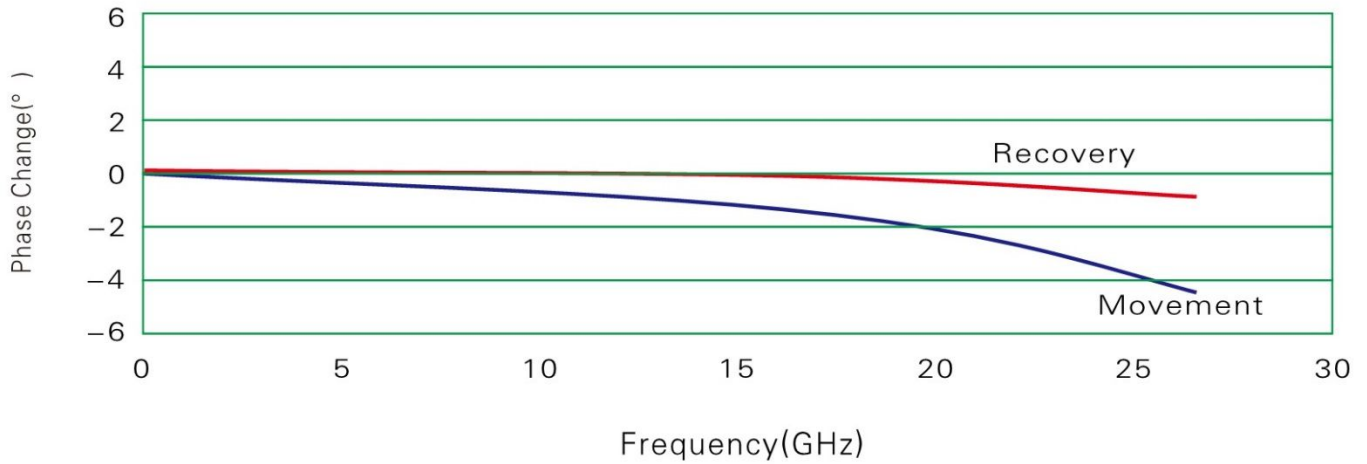
Applications:

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

SEPCIFICATION		MCBL-LL264.50			
FREQUENCY(GHz)		DC-26.5			
MECHANICAL PHASE STABILITY (°)		<±3 @18GHz			
MECHANICAL PHASE STABILITY (dB)		< ±0.05@18GHz			
CABLE RETENTION(N Max)		200			
OVERALL DIAMETER(mm)		6.1			
MIN. BEND RADIUS(mm)		24			
FLEX LIFE CYCLE		10000			
MATING LIFE CYCLE		5000			
LEAKAGE VALE(dB) MIN.		90			
WORKING TEMP. (°C)		-55 ~ +85			
ARMOR Type		SN			
VSWR(MAX.)	CON. TYPE	3GHz	6GHz	18GHz	26.5GHz
	3.5mm-F	1.1	1.15	1.25	1.35
	3.5mm NMD	1.1	1.15	1.25	1.35
	SMA-M	1.1	1.15	1.25	1.35
	N-M	1.1	1.15	1.3	
POWER (KW)		0.08	0.06	0.03	0.02
INSERTION LOSS(dB) (MAX.)		0.80	1.15	2.10	2.6

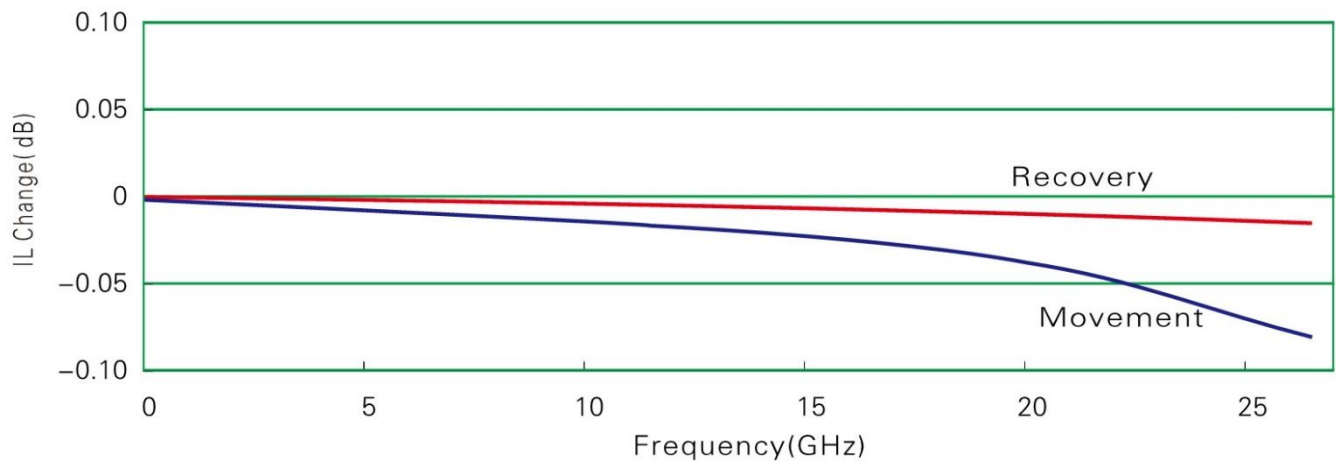
TYPICAL TEST RESULT (SAMPLE P/N#280280.LL264.100)

MECHANICAL PHASE STABILITY(°)



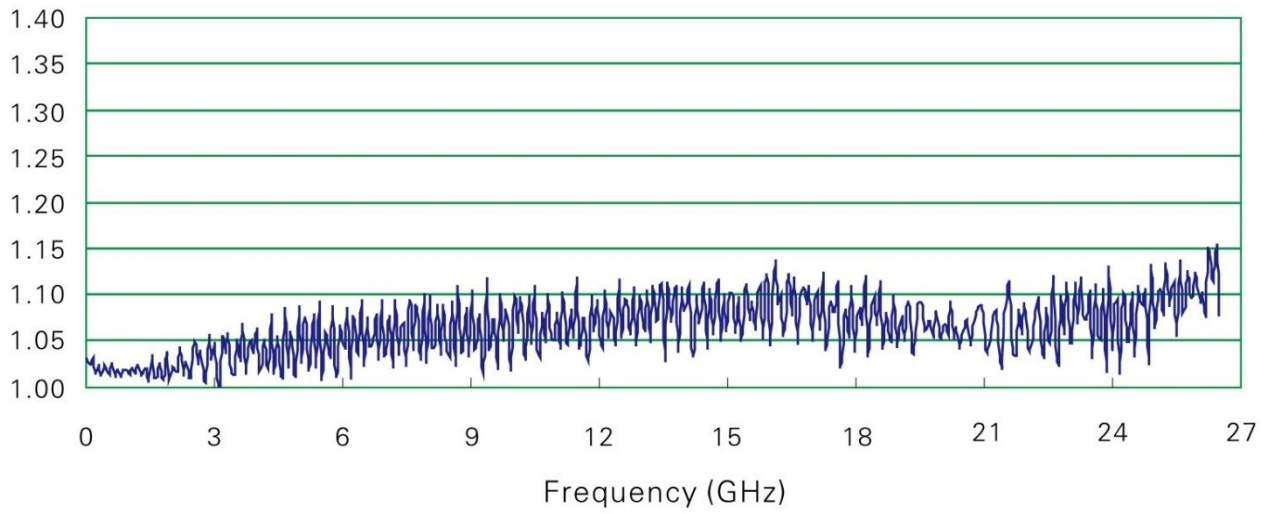
Phase Change $\lt; \pm 3.0^\circ$ @18G (Typ.) Phase Change $\lt; \pm 5.0^\circ$ @26.5G (Typ.)

MECHANICAL PHASE STABILITY (dB)



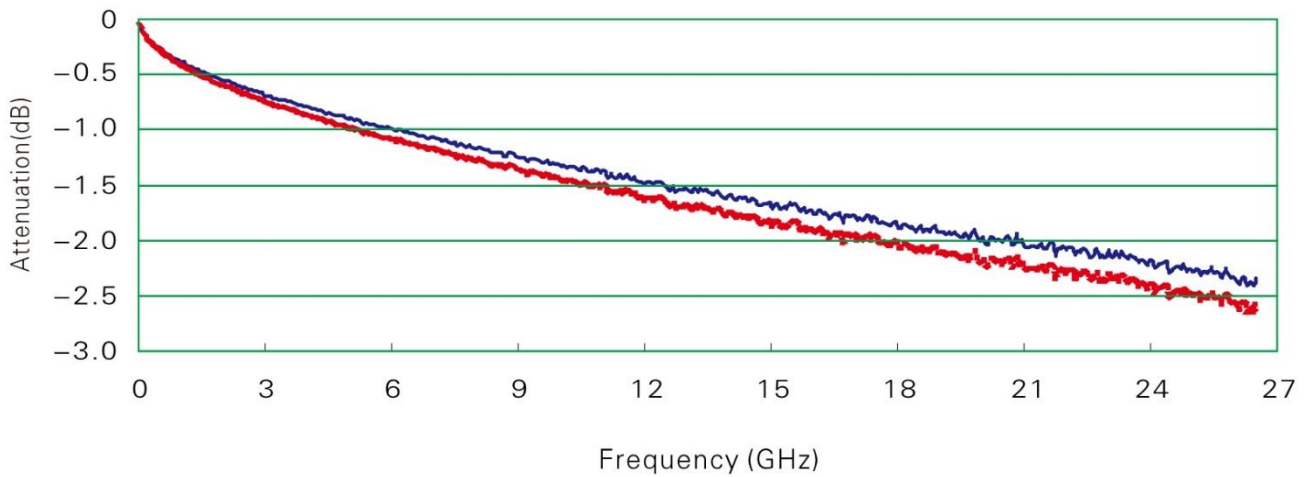
IL Change $\lt; \pm 0.05\text{dB}$@18G (Typ.) IL Change $\lt; \pm 0.10\text{dB}$@26.5G (Typ.)

VSWR



VSWR <1.25@18G(Typ.) VSWR <1.35@26.5G(Typ.)

INSERTION LOSS



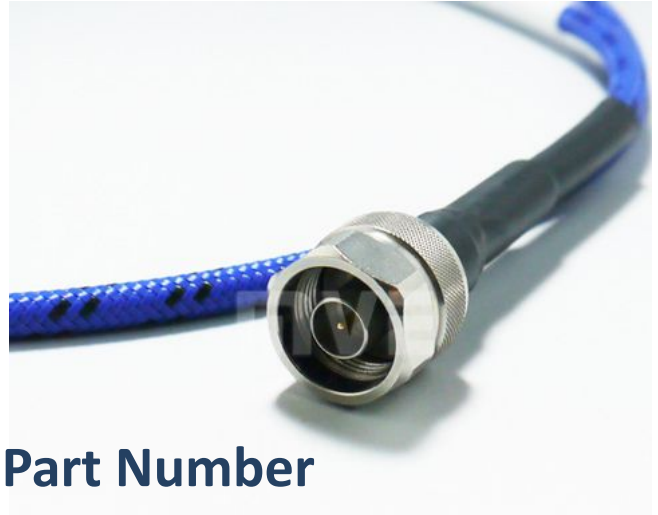
IL <2.05@18G (max) IL <2.60@26.5G (max)

 MAXIMUM VALUE

 TEST RESULT

 MAXIMUM VALUE

 TEST RESULT

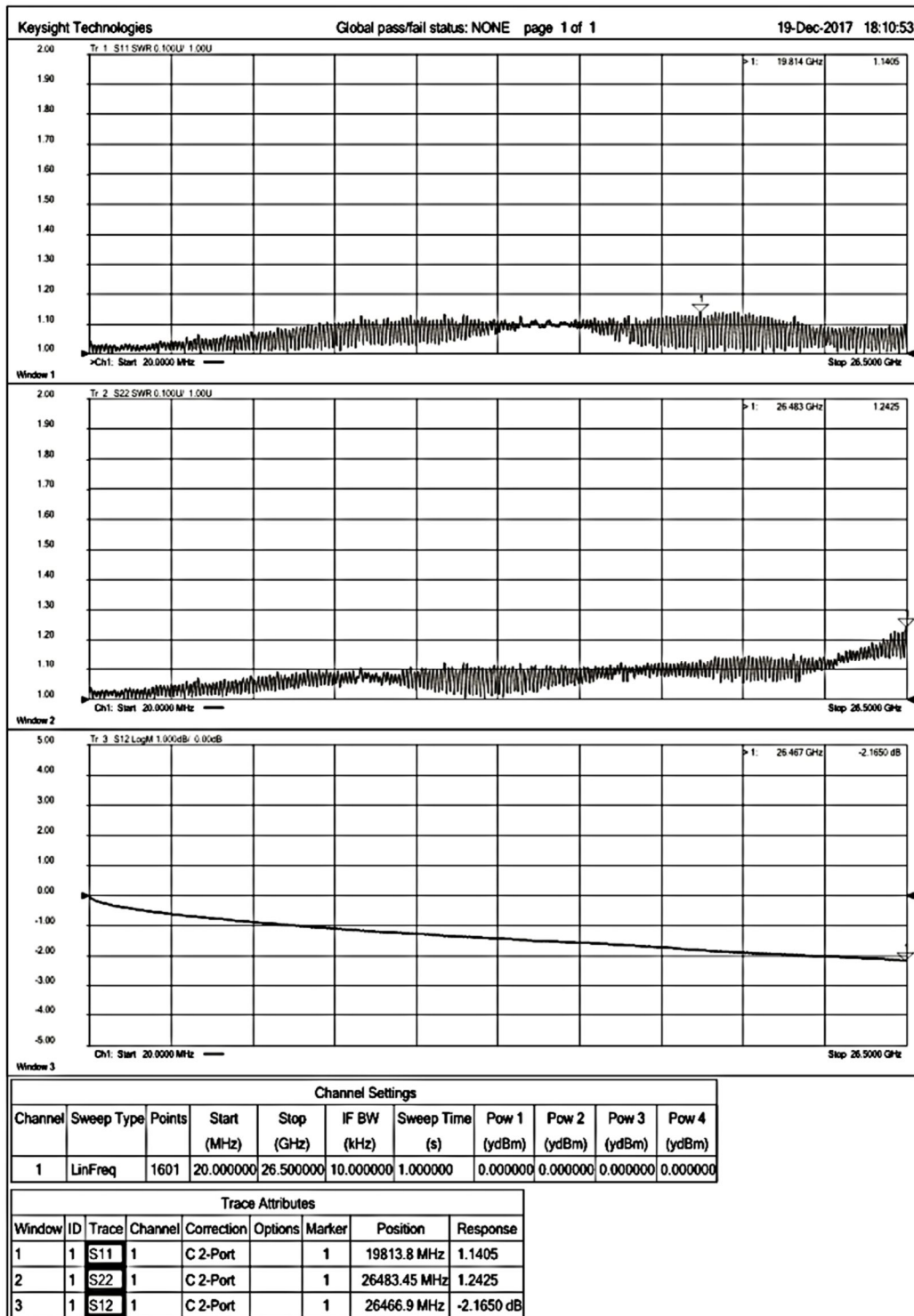


Cable Assembly Part Number

MVE PART NUMBER	CONECTOR 1	CONNECTOR 2	LENGTH (cm)	FREQUENCY (GHz)	VSWR
260260.LL264.200	N MALE S/T	N MALE S/T	200	18	1.30
260280.LL264.75	N MALE S/T	SMA MALE S/T	75	18	1.30
280280.LL264.100	SMA MALE S/T	SMA MALE S/T	100	26.5	1.30
280280.LL264.150	SMA MALE S/T	SMA MALE S/T	150	26.5	1.30

Typical Test Result

P/N	Description
280280.LL264.90	SMA Male/Stainless To SMA Male/Stainless, DC-26.5GHz LL264 Low Loss, Phase Stable Cable /L:90cm



P/N	Description
280280.LL264.90	SMA Male/Stainless To SMA Male/Stainless, DC-26.5GHz LL264 Low Loss, Phase Stable Cable /L:90cm

