

MVE Low Loss Flexible 67GHz Coax Test Cables

MCBL-LL670.50



Features:

- FREQUENCY: 67GHz
- High Flexibility
- Phase & Loss Stable
- High Matching Cycles, Stainless Steel Connectors
- Full Armor solutions

Applications:

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

CABLE SPECIFICATION	
CABLE PART NUMBER	MCBL-LL670.50
FREQUENCY(GHz)	DC-67
IMPEDANCE	50 Ohms
OUTER DIAMETER	6.4(ARMOR)
MIN. BEND RADIUS(mm)	11mm (installation) 22mm (repeated)
ATTENUATION (Typical)	7.1dB/m @67 GHz

VSWR	18GHz	26.5GHz	40GHz	67GHz		
	1.15	1.20	1.30	1.40		
TYP. ATTENUATION(25°C) and TYP. AVG. POWER (25°C)						
Freq.(GHz)	2	6	18	26.5	40	67
dB/100m	97.4	174.5	319.8	398.7	507.1	709.0
Power kW	188	105	57	46	36	23

$K1 = 1.2657000$ $K2 = 0.0013435$ Equation = $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$

CABLE ASSEMBLY

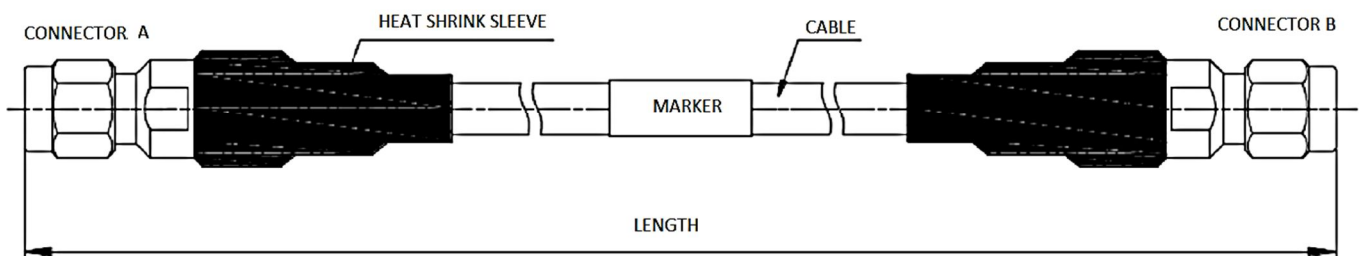
1.85mm Male 67GHz

100100.LL670.100

PART NUMBER	100100.LL670.100
DESCRIPTION	1.85mm Male To 1.85mm Male, LL607/L:100cm DC-67GHz Low Loss, Phase Stable Cable(with Armor)
CONNECTOR 1	1.85mm Male/ Stainless steel
CONNECTOR 2	1.85mm Male/ Stainless steel
Electrical Specifications	
FREQUENCY	67GHz
IMPEDANCE	50Ω
VSWR	≤ 1.4
INSERTION LOSS (max)	≤ 7.9dB@40GHz
Mechanical Specifications	
LENGTH	100cm
AROMR	Armoring
LENGTH TOLERANCE	+20/-0mm
FLEX LIFE CYCLE	10000
OVERALL DIAMETER(mm)	6.4(ARMOR)
MIN. BEND RADIUS(mm)	30
Environmental Requirements	
TEMPERATURE RANGE	-55°C~+85°C (Operating) -55°C~+125°C (Storage)

Outline: (Unit: mm)

Tolerance: Length ±20mm



Typical Test Result

P/N	Description
100100.LL670.100	1.85mm Male/Stainless To 1.85mm Male/Stainless, LL670/L:100cm DC-67GHz Low Loss, Phase Stable Cable(with Armor)

