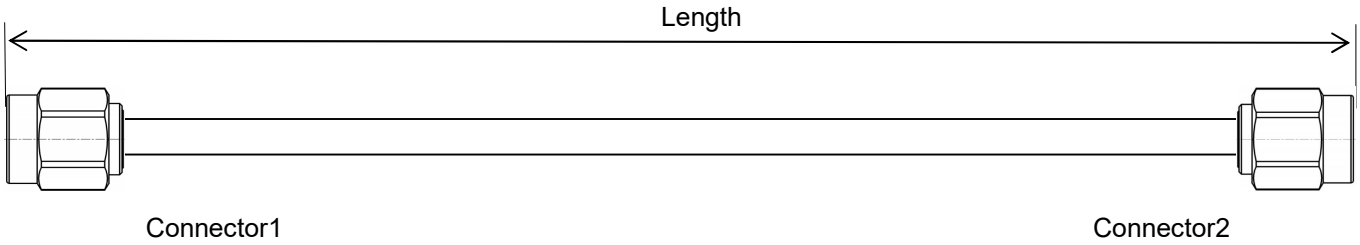
Tight Bend Triple-shielding Flexible Cable Assembly, Using M360

DC-26.5 GHz, SMA Male to SMA Male MB360-SMAMSMAM-L(L:Length)

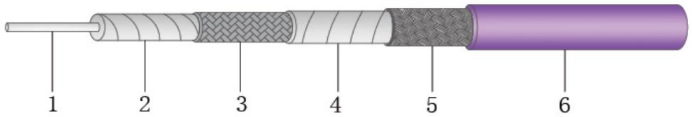


· Length can be in meter or in inch etc, e.g, MB360-SMAMSMAM-1M. Standard length tolerance: ±1.5%. Custom lengths and other connector types available.
· Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

Configuration

Connector 1	SMA male	**Connector 2**	SMA male
Body	Passivated stainless steel	Body	Passivated stainless steel
Center Contact	Gold plated brass	Center Contact	Gold plated brass
Cable Type	MB360		

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center conductor	0.91	Silver plated copper
2	Dielectric	2.72	Low density PTFE
3	Outer conductor	2.79	Silver plated copper wire braiding
4	Middle layer	2.95	Aluminum foil
5	Outer shield	3.20	Stainless steel wire
6	Jacket	3.61	FEP

Electrical

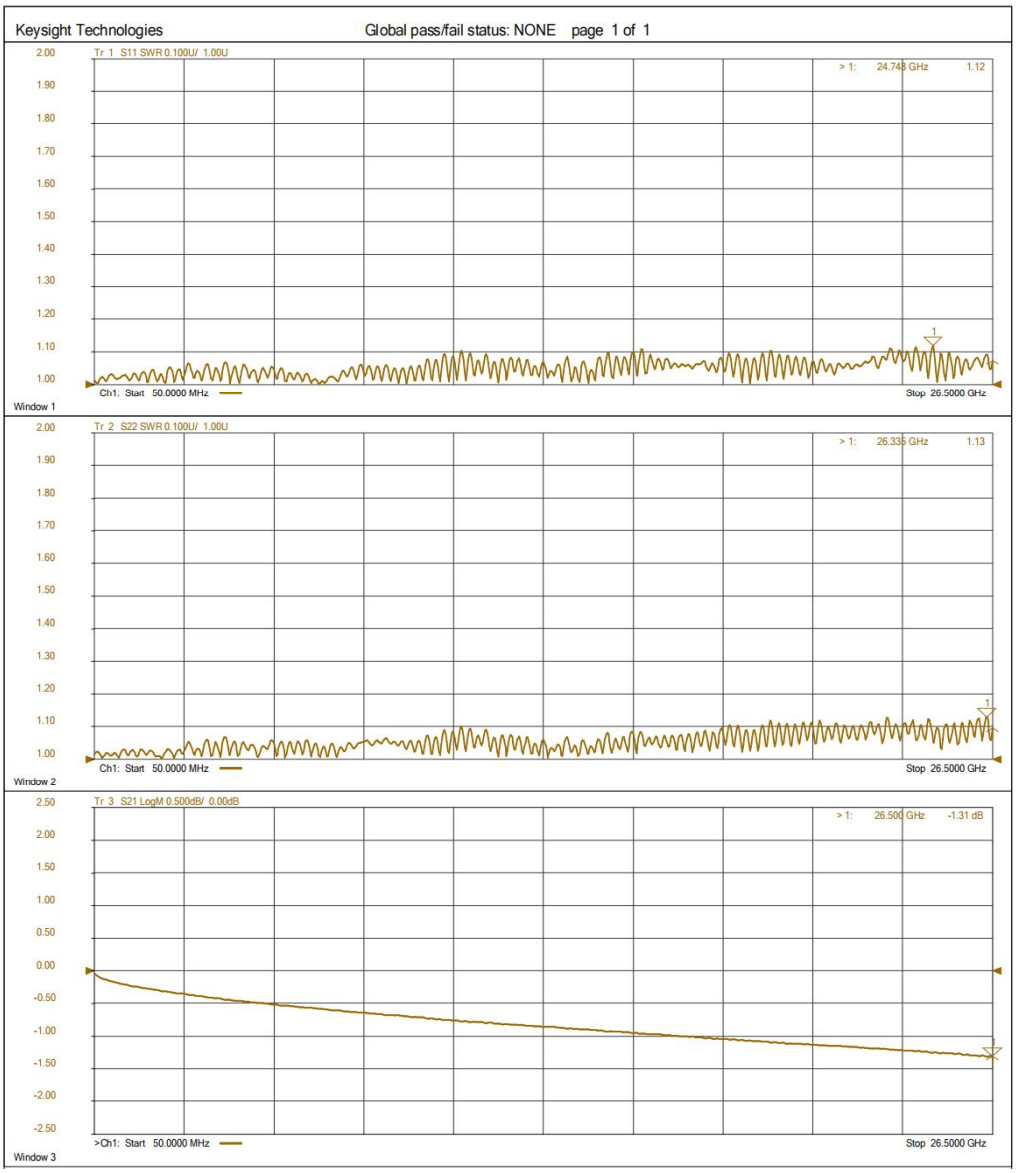
Frequency	DC-26.5 GHz
Impedance	50 Ω
VSWR Max	1.35
IL Max(1 meter assembly)	2.7dB
Velocity of Propagation	76%

Mechanical & Environmental

Min.Bending Radius Static	15mm
Min. Bending Radius Repeated	36mm
Temperature(Operation)	-50～85 ºC
Temperature(Storage)	-60～85 ºC

Bulk Cable Attenuation(Typical@25℃) **& Power**(VSWR=1.0; 40℃; Sea level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	26500
dB/100 Meter	21.6	39.8	56.7	80.9	99.8	115.9	130.3	143.4	155.6	177.8	218.8
Avg.Power kW	0.637	0.346	0.243	0.170	0.138	0.119	0.106	0.096	0.089	0.078	0.063
Attenuation at any frequency＝[1.238070×SQRT(FMHz)]+[0.000650×FMHz]											

Notes:
1) The above attenuation refers to typical loss of cable only, max loss is 1.1 times of typical loss. Insertion loss per connector is estimated as 0.03dB x SQRT Freq(GHz).
2) Power handling values are calculated based on cable properties. Power handling will vary based on connector type and actual VSWR of the cable assembly.

Typical Test Data (MB360-SMAMSMAM-60CM)