

High Performance Cable Assemblies

Φ.047 Cable types (Flexible, Semi-Rigid, Semi-Flexible)



Microwave Farm's **High Performance Cable Assemblies** with **0.047" cable diameter** (Flexible, Semi-Rigid & Semi-Flexible) for various kinds of interconnection solutions such as High Speed Testing, Short range and Telecommunication applications.



■ Features

- DC to 26.5, 40, 50 & 67 GHz
- Standard and custom cable options available
- Available interface : SMA, 2.92 mm, SMPM, 2.4 mm & 1.85 mm types

■ Applications

- Telecommunication Systems
- High Speed Testing
- Short range interconnection

■ Cable Specifications

Scope	Specification	MFSR047	MFSF047	MFFX047
Physical	Center Conductor (mm)	0.29	0.29	0.29
	Dielectric (mm)	0.92	0.92	0.92
	Jacket (mm)	1.19	1.19	1.53
Electrical	Impedance (Ohm)		50	
	Operation Freq.(GHz)		40	
	Velocity of propagation(%)		69.5	70
	Shielding Effectiveness (dB)		100	90
Mechanical & Environmental	Weight (g/M)	5.7	5.7	7.2
	Operation Temperature		-40~ +125°C	-55~ +125°C

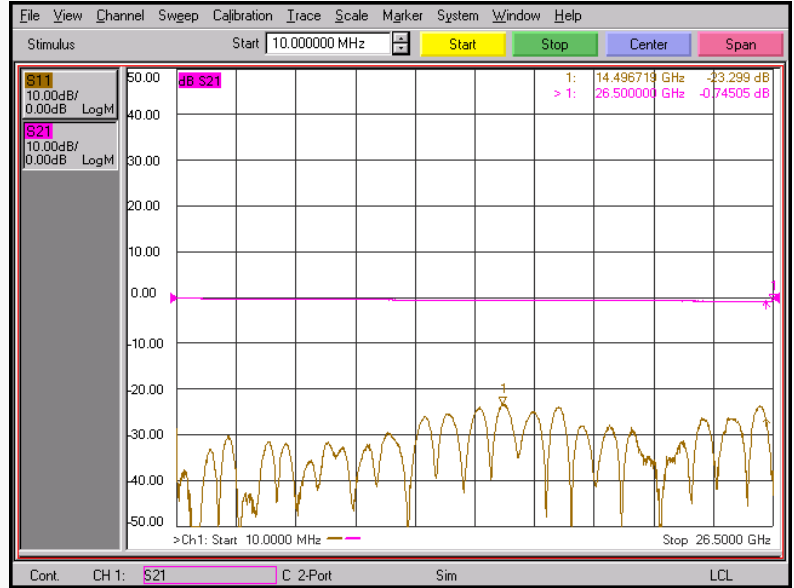
■ Test Results

SMA type

Flexible .047

Part No: MFFX047-SM1SM1-100mm

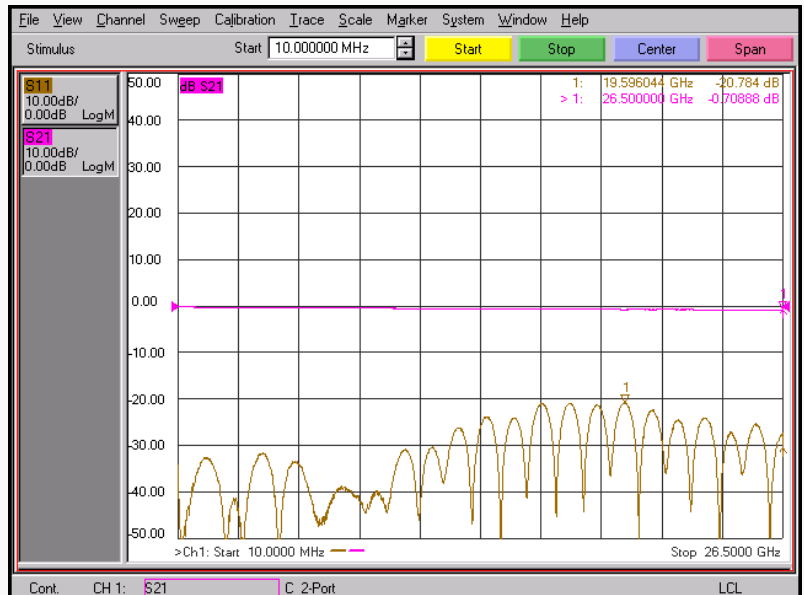
- Frequency : DC to 26.5 GHz
- Connector : SMA(Male)
- Cable Length : 100 mm



Flexible .047

Part No: MFFX047-SF1SF1-100mm

- Frequency : DC to 26.5 GHz
- Connector : SMA(Female)
- Cable Length : 100 mm



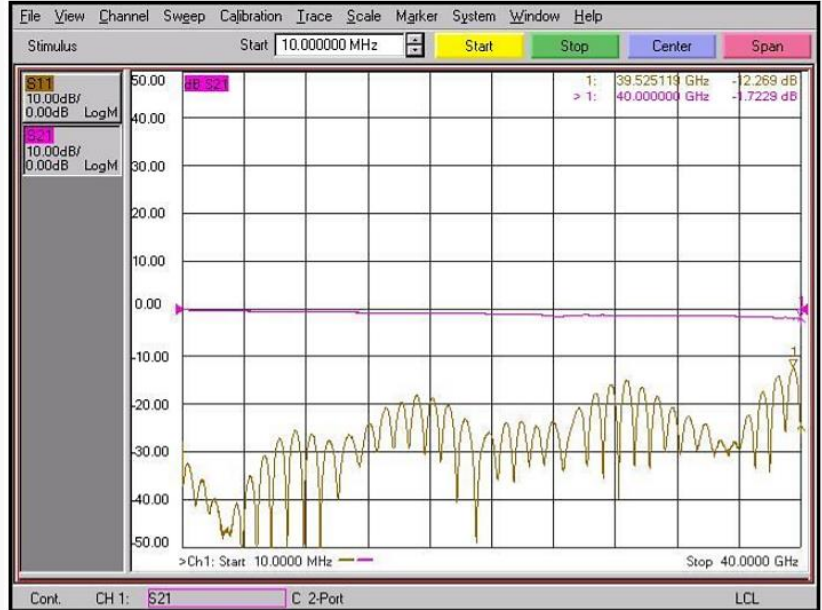
■ Test Results

SMPM type

Flexible .047

Part No: MFFX047-PF1PF1-100mm

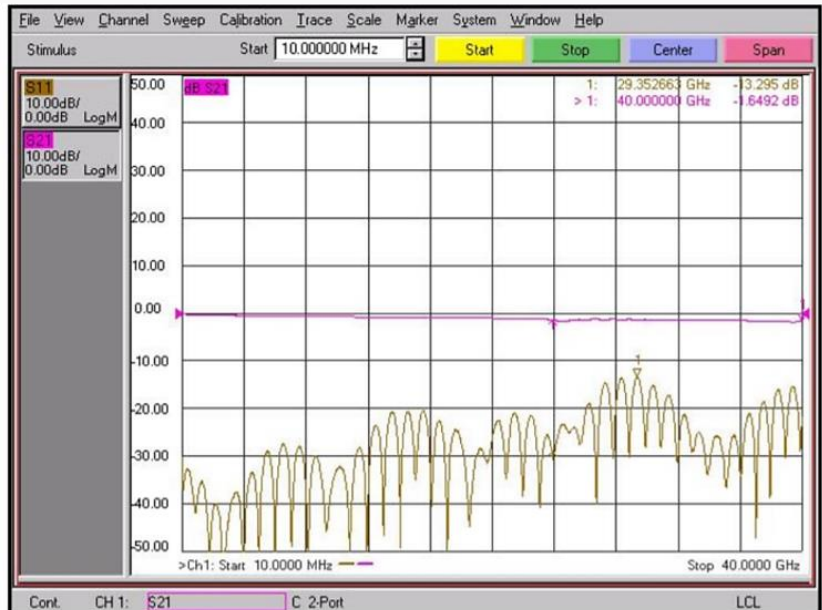
- Frequency : DC to 40 GHz
- Connector : SMPM (Female)
- Cable Length : 100 mm



Semi-Flexible .047

Part No: MFSF047-PF1PF1-100mm

- Frequency : DC to 40 GHz
- Connector : SMPM(Female)
- Cable Length : 100 mm



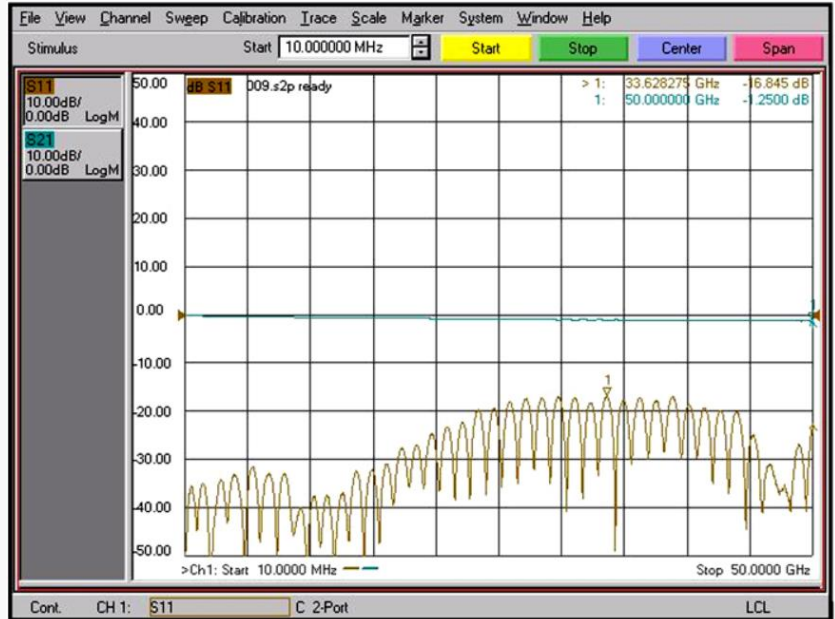
■ Test Results

2.4 mm type

Flexible .047

Part No: MFFX047-2M12M1-100mm

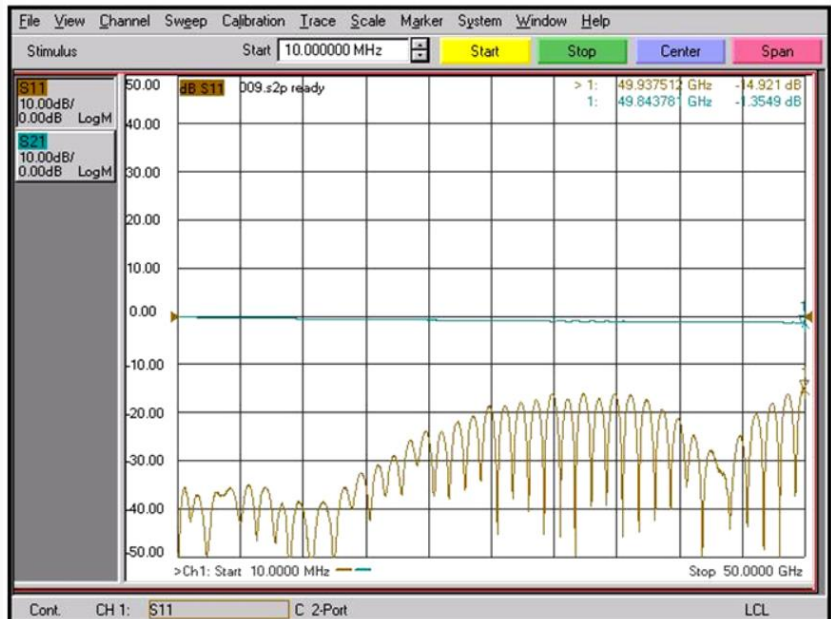
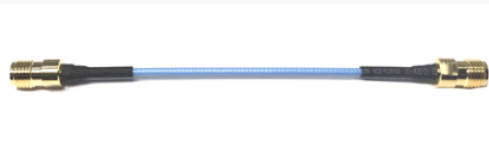
- Frequency : DC to 50 GHz
- Connector : 2.4 mm(Male)
- Cable Length : 100 mm



Flexible .047

Part No: MFFX047-2F12F1-100mm

- Frequency : DC to 50 GHz
- Connector : 2.4 mm(Female)
- Cable Length : 100 mm



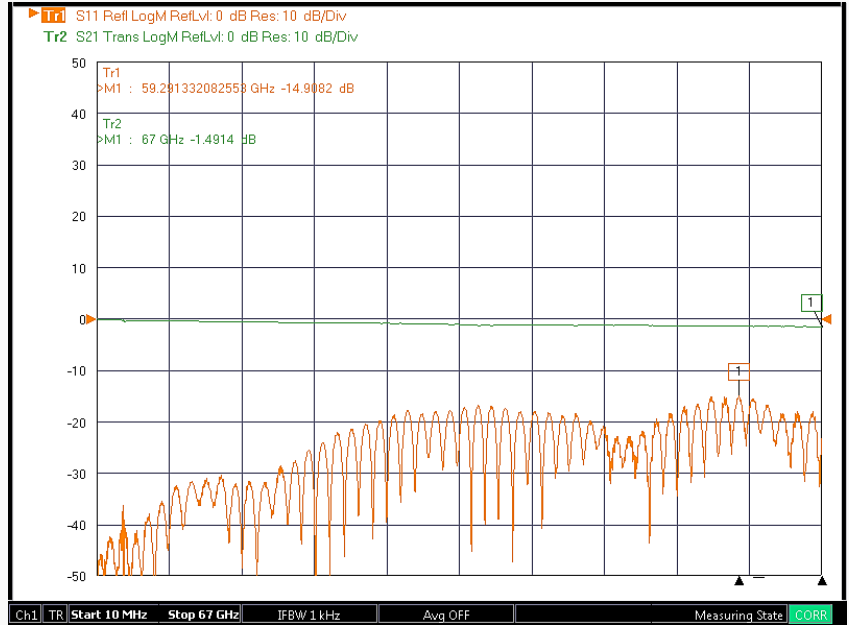
■ Test Results

1.85 mm type

Flexible .047

Part No: MFFX047-VM1VM1-100mm

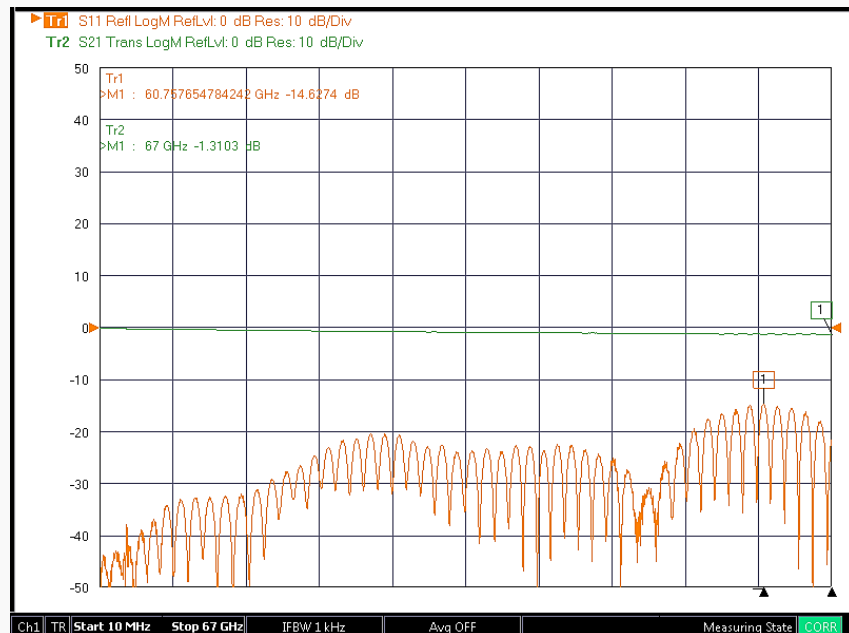
- Frequency : DC to 67 GHz
- Connector : 1.85 mm(Male)
- Cable Length : 100 mm



Flexible .047

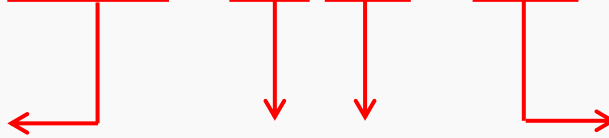
Part No: MFFX047-VF1VF1-100mm

- Frequency : DC to 67 GHz
- Connector : 1.85 mm(Female)
- Cable Length : 100 mm



■ Selection Guide

MFFX047 - KM1KM1 - 0.1M



Cable Type

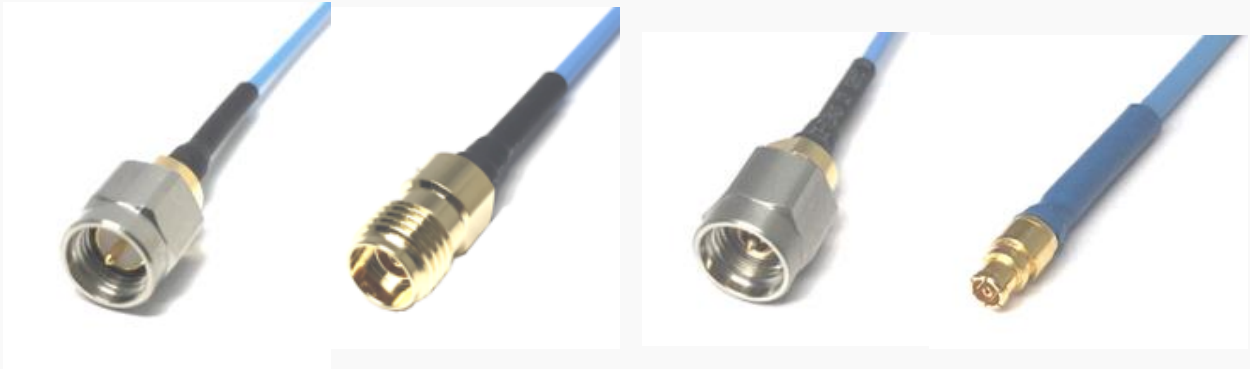
MFFX047 : Flexible
MFSR047 : Semi-Rigid
MFSF047 : Semi-Flexible

Connector Type

SM1: SMA(Male)
SF1 : SMA(Female)
PM1: SMPM(Female)
KF1 : 2.92 mm(Female)
KM1: 2.92 mm(Male)
2M1 2.4 mm(Male)
2F1 : 2.4 mm(Female)
VM1: 1.85 mm(Male)
VF1 : 1.85 mm(Female)

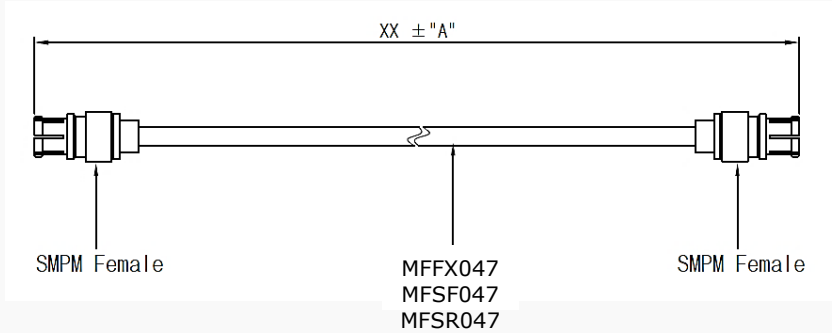
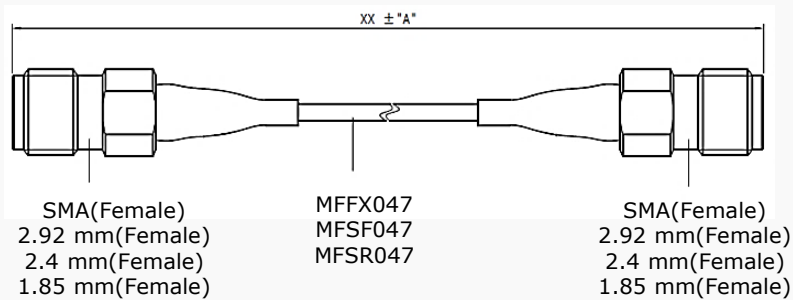
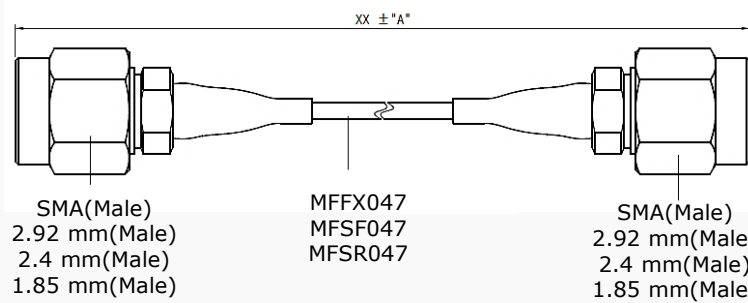
Cable Length

Unit : Meter



■ Drawing

Unit : mm



XX (Cable length)	"A" (Tolerance)
0.1M ~ 0.29M	+5.0mm / -0.0
0.3M ~ 0.99M	+15.0mm / -0.0
1.0M ~ 2.99M	+30.0mm / -0.0
3.0M ~ 9.99M	+50.0mm / -0.0
10.0M ~ 100.0M	+100.0mm / -0.0