

SMP Cable Assemblies

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

Withwave offers **SMP Cable Assemblies** with 0.047" cable diameter (Flexible, Semi-Rigid & Semi-Flexible) for various kinds of interconnection solutions such as High Speed Testing, Surface Mount Interconnection and Telecommunication applications.



■ Features

- DC to 40 GHz
- Push-On and Snap-On for Quick Installation
- High Speed Interconnection Test
- Available with 2.92 mm, 2.4 mm Connectors (Male, Female type)

■ Application

- Telecommunication
- High Speed Applications
- Surface Mount Connection
- Broadband



■ Cable Specification

Scope	Specification	SR047	SF047	FX047
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

SMP Cable Assemblies

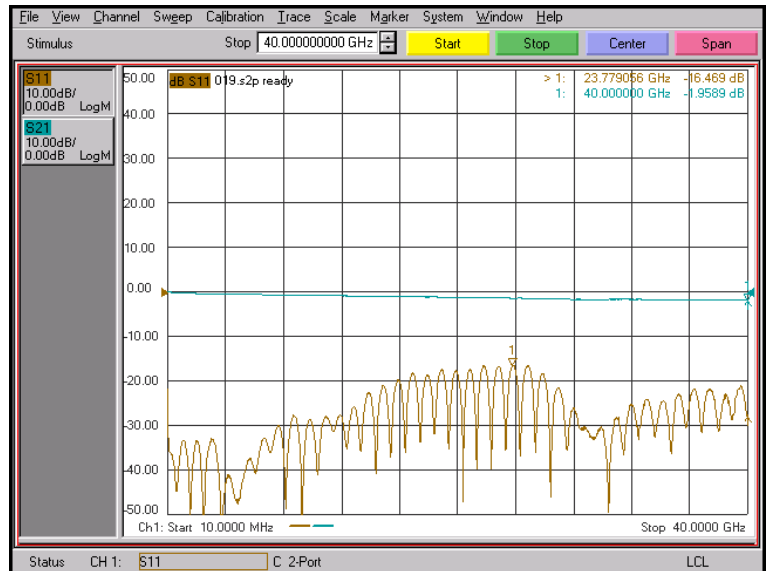
Φ .047 Cable types (Flexible, Semi-Rigid, Semi-Flexible)

■ Test Results

Flexible .047

Part No: FX047-PF4PF4-100mm

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

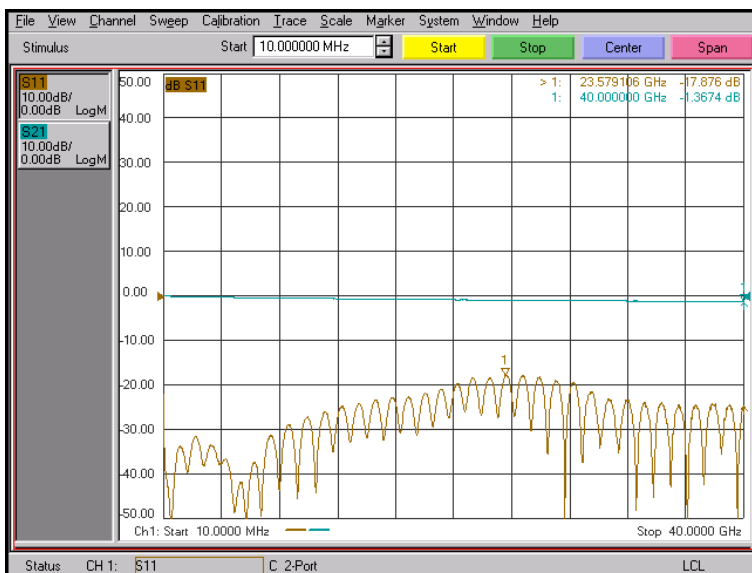


■ Test Results

Flexible .047

Part No: FX047-PF4KF1-100mm

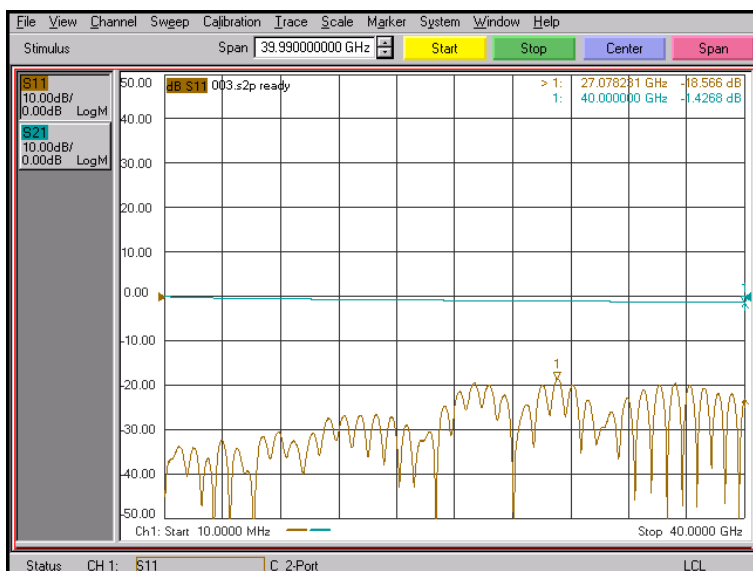
- Frequency : DC to 40 GHz
- Connector : SMP(Female)
2.92 mm(Female)
- Cable Length : 100 mm



Flexible .047

Part No: FX047-PF42F1-100mm

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



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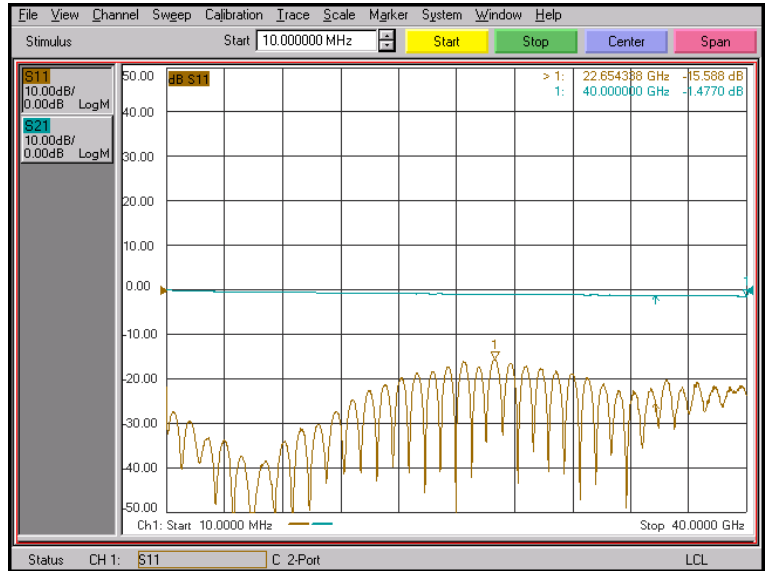
Φ .047 Cable types (Flexible, Semi-Rigid, Semi-Flexible)

■ Test Results

Semi-Flexible .047

Part No: SF047-PF4PF4-100mm

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



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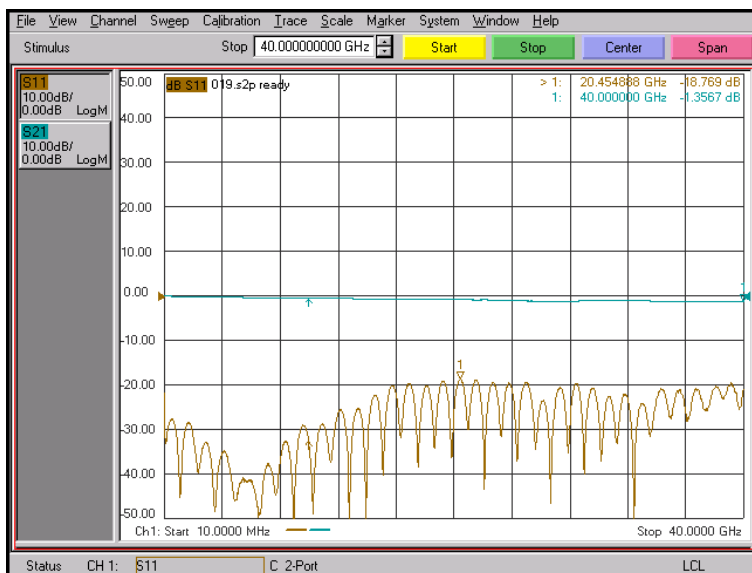
withwave
Versatile RF & MW Test Solutions

■ Test Results

Semi-Flexible .047

Part No: SF047-PF4KF1-100mm

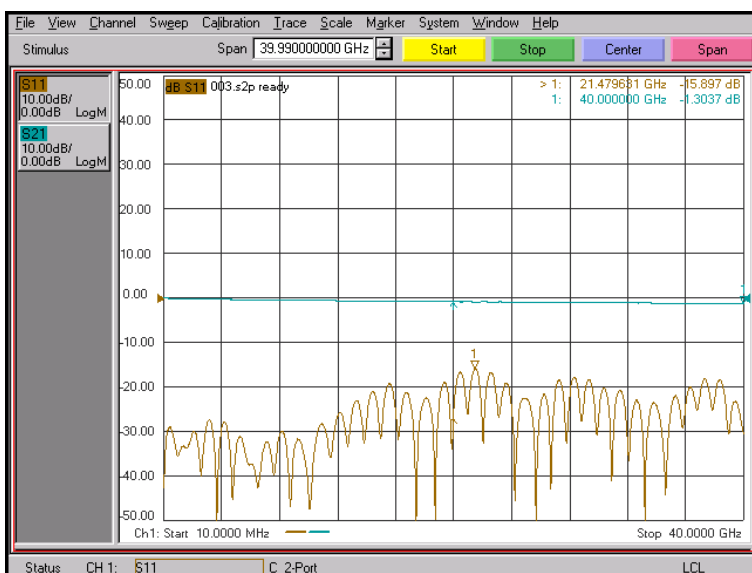
- Frequency : DC to 40 GHz
- Connector : SMP(Female)
2.92 mm(Female)
- Cable Length : 100 mm



Semi-Flexible .047

Part No: SF047-PF42F1-100mm

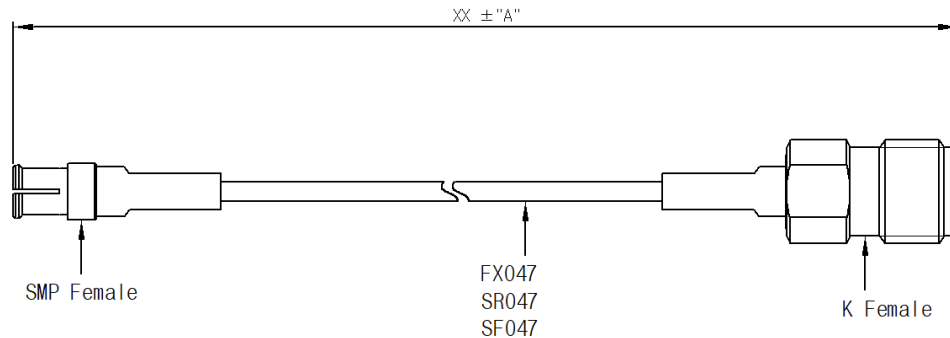
- Frequency : DC to 40 GHz
- Connector : SMP(Female)
2.4 mm(Female)
- Cable Length : 100 mm



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■ Drawing



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



■ Selection Guide

FX047 – PF4KF1 – 0.1M

Cable Type

FX047 : Flexible
SR047 : Semi-Rigid
SF047 : Semi-Flexible

Connector Type

PF4 : SMP (Female) :40 GHz
SF2 : SMA(Female)
SM2 : SMA(Male)
KF1 : 2.92 mm (Female)
KM1: 2.92 mm (Male)
2F1 : 2.4 mm (Female)
2M1: 2.4 mm (Male)

Cable Length

Unit : Meter

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■ Revision History

Revision	Date	Changes
Ver 1.0	2022-06-03	Released SMP Cable Assembly