

WithWave offer **SMPS Cable Assemblies** for Semiconductor Test Systems such as ATE(Automated Test Equipment). Various cable lengths and connector shapes are available according to customer requirements.



■ Features

- DC to 40, 50 & 67GHz
- VSWR : < 1.50 @ 67GHz(*SMPS S/T)
< 1.60 @ 40GHz(*SMPS R/A)
- Available with Straight, Right angle and Bulkhead types(SMPM)

■ Applications

- Semi-conductor ATE Test boards
- ATE Test Fixtures
- Interface Boards

■ Specification

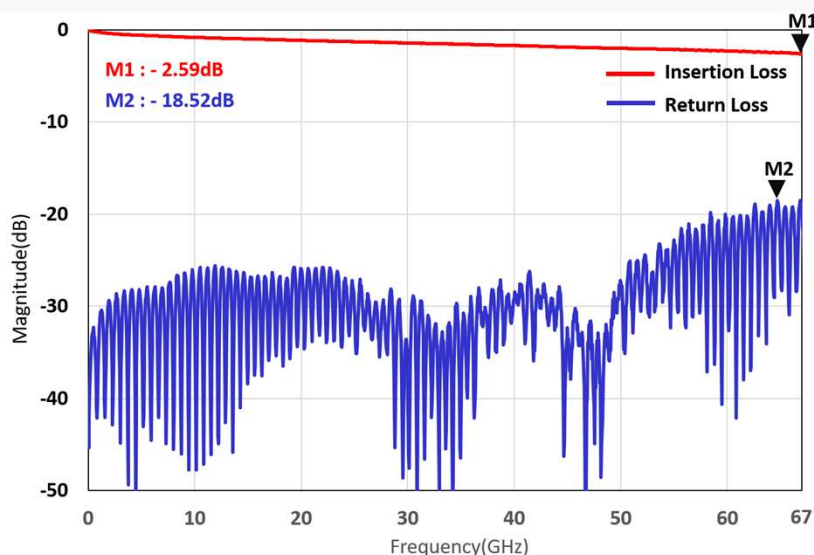
Scope	Specification	FX047
Physical	Center Conductor (mm)	0.29
	Insulator (mm)	0.92
	Outer Conductor 1 (mm)	1.08
	Outer Conductor 2 (mm)	1.28
	Jacket (mm)	1.53
Electrical	Characteristic Impedance (Ohm)	50 Ohm
	Velocity of Propagation (%)	Typical 70
	Shielding Effectiveness(dB)	>90
	Attenuation (at 25 °C)	8.29 dB/m @ 40.0 GHz
Mechanical & Environmental	Weight (g/M)	7.2
	Min. bending radius (mm)	7.67 (Installation) 14.20 (Repeated)
	Operating Temperature	-40 ~+85 °C **

■ Test Results

FX047 cable assembly

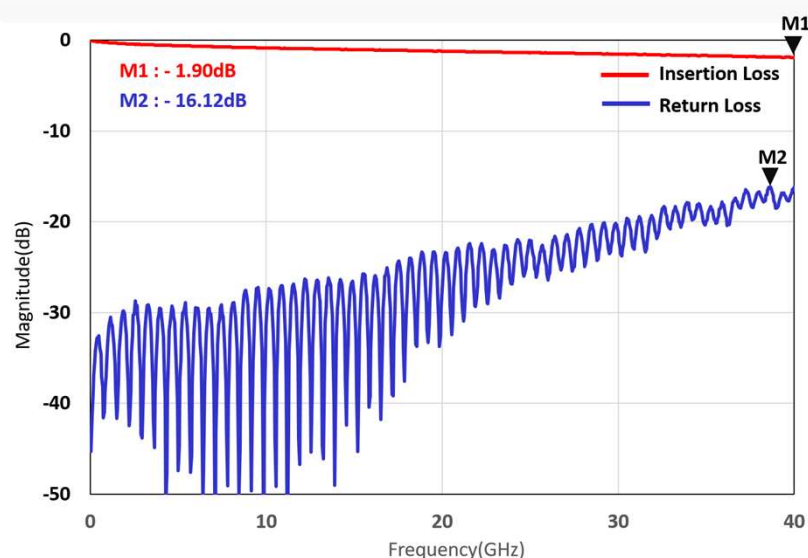
Part No. : FX047-PF6PF6-6inch

- Frequency : 50 MHz to 67 GHz
- Connector : SMPS(F) Straight
- Cable Length : 6 inch



Part No. : FX047-PF6PF7-6inch

- Frequency : 10 MHz to 40 GHz
- Connector : SMPS(F) Straight
SMPS(F) Right angle
- Cable Length : 6 inch

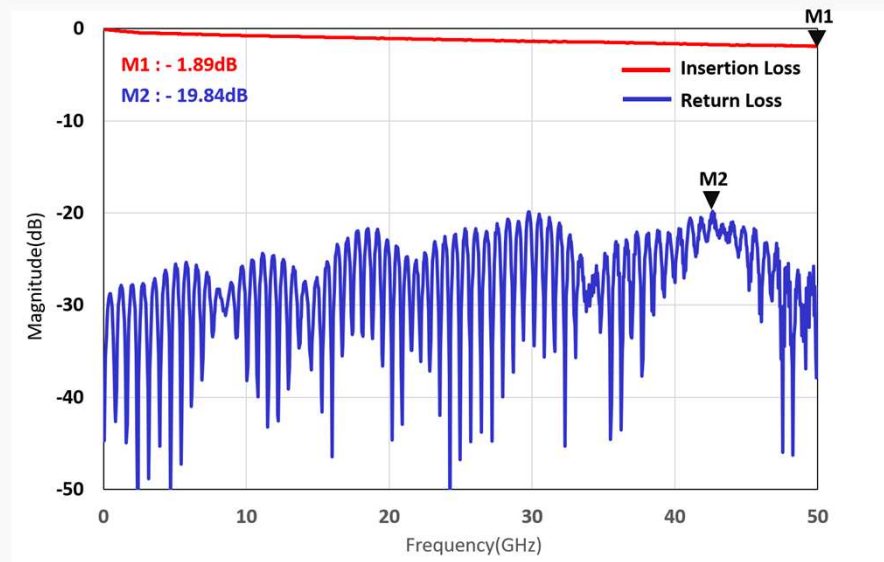


■ Test Result

FX047 cable assembly

Part No. : FX047-PF62M1-6inch

- Frequency : 10 MHz to 50 GHz
- Connector : SMPS(F) Straight
2.4mm(M) Straight
- Cable Length : 6 inch

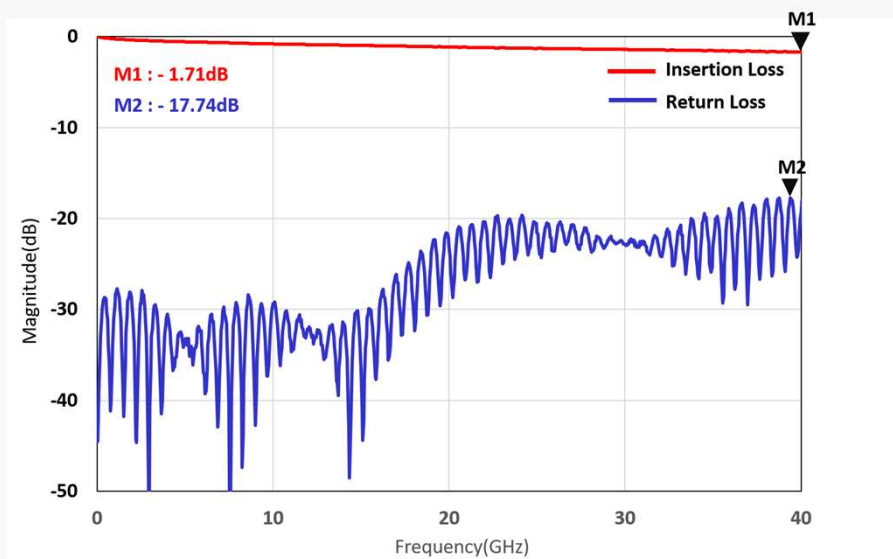


■ Test Result

FX047 cable assembly

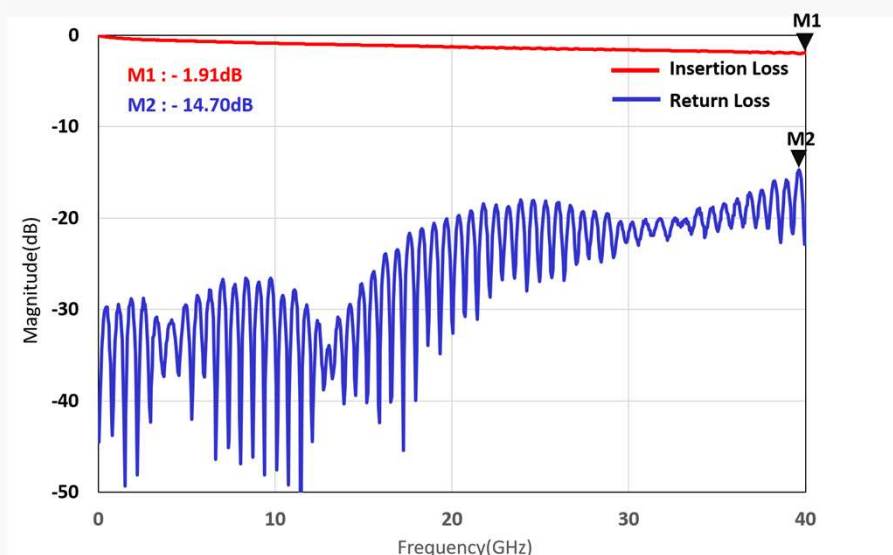
Part No. : FX047-PF7PF2-6inch

- Frequency : 10 MHz to 40 GHz
- Connector : SMPS(F) Right angle
SMPM(F) Straight
- Cable Length : 6 inch

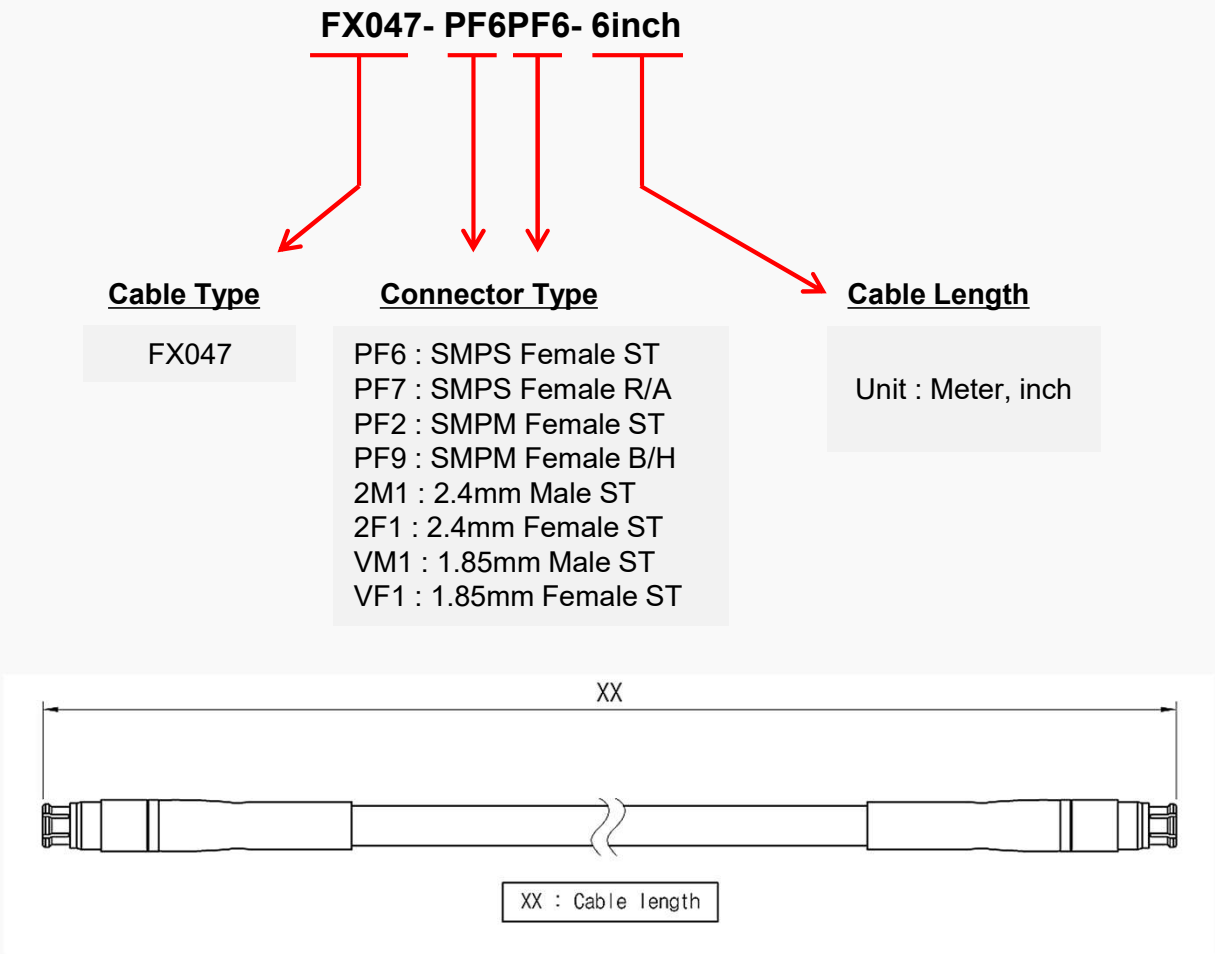


Part No. : FX047-PF7PF9-6inch

- Frequency : 10 MHz to 40 GHz
- Connector : SMPS(F) Right angle
SMPM(F) Bulk Head
- Cable Length : 6 inch



■ Selection Guide



SMPS(F) S/T Connector(67 GHz)



SMPS(F) R/A Connector(40 GHz)



SMPM(F) S/T Connector(40 GHz)



SMPM(F) Bulk Head Connector(40 GHz)



2.4mm(M) Straight Connector(50 GHz)



SMPS Cable Assemblies

Φ.047 Cable types (Flexible, 40,50 & 67 GHz)

■ Revision History

Revision	Date	Changes
Ver 1.0	2026-08-01	Released SMPS Series Cable Assembly(FX047)