

Semi-Rigid & Flexible Cable Assembly

up to 40 GHz

Withwave provide **40 GHz Semi-rigid & flexible cable assemblies** with 0.047", 0.085" diameter for various kinds of microwave interconnection applications.

■ Features

- Center Conductor : Silver plated copper wire
- Dielectric core : Solid PTFE
- Jacket : Copper tubing, tin-plated



■ Specification (Semi-Rigid type)

Scope	Specification	SR047	SR085
Physical	Center Conductor (mm)	0.29	0.51
	Dielectric (mm)	0.92	1.68
	Jacket (mm)	1.19	2.20
Electrical	Impedance (Ohm)	50	
	Operation Freq.(GHz)	40	40
	Velocity of propagation(%)	69.5	
	Capacitance (pF/ft)	32	32
	Shielding Effectiveness (dB)	100	
Mechanical & Environmental	Weight (g/M)	5.7	20.2
	Operation Temperature	-40~ +125℃	

* ROHS Compliant

■ Specification (Semi-Flexible type)

Scope	Specification	SF047	SF085
Physical	Center Conductor	0.29	0.54
	Dielectric	0.92	1.68
	Jacket	1.19	2.18
Electrical	Impedance (Ohm)	50	
	Operation Freq.(GHz)	40	40
	Velocity of propagation(%)	69.5	
	Capacitance (pF/ft)	32	32
	Shielding Effectiveness (dB)	100	
Mechanical & Environmental	Weight (g/M)	5.7	16.0
	Operation Temperature	-40~ +125℃	

* ROHS Compliant

■ Test Results

Semi-Rigid 047

Part No: SR047-KF1KF1-95mm

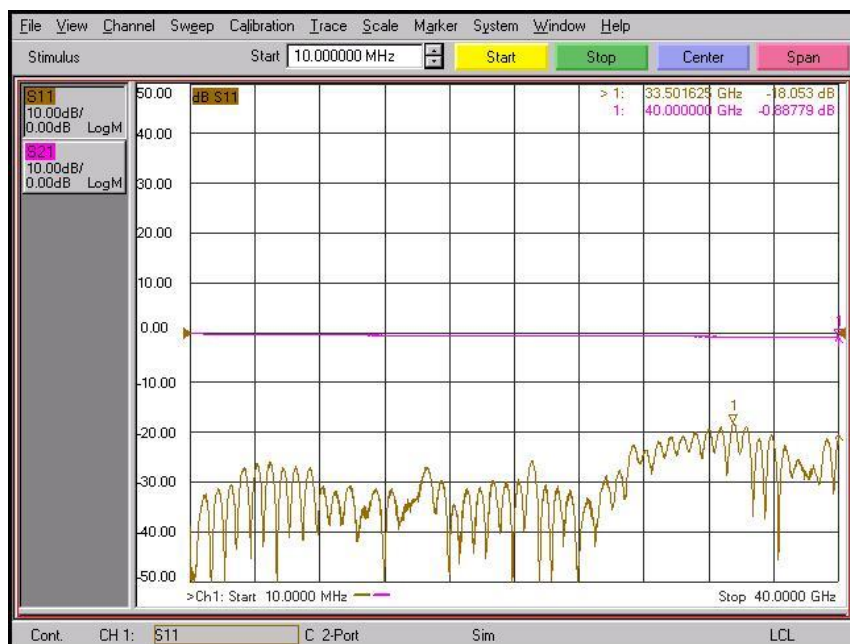
- Frequency : DC to 40 GHz
- Connector : 2.92 mm(Female)
- Cable Length : 95 mm



Semi-Rigid 085

Part No: SR085-KF1KF1-150mm

- Frequency : DC to 40 GHz
- Connector : 2.92 mm(Female)
- Cable Length : 150 mm



Semi-Rigid & Flexible Cable Assembly

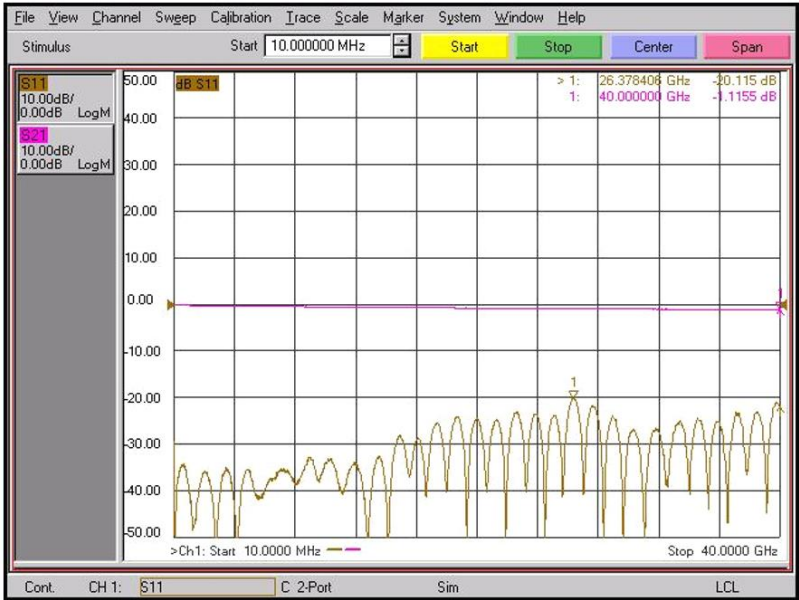
up to 40 GHz

■ Test Results

Semi-Flex 047

Part No: SF047-KM1KM1-100mm

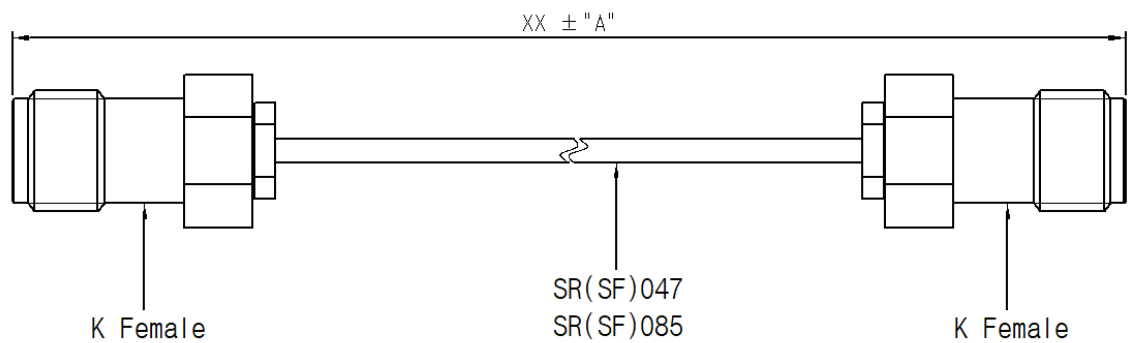
- Frequency : DC to 40 GHz
- Connector : 2.92 mm(Male)
- Cable Length : 100 mm



Semi-Rigid & Flexible Cable Assembly

up to 40 GHz

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

SR047 – KF1KF1 – 0.1M

Cable Type

SR047
SR085
SF047
SF085

Connector Type

KF1 : 2.92mm (Female)
KM1: 2.92 mm (Male)

Cable Length

Unit : Meter

