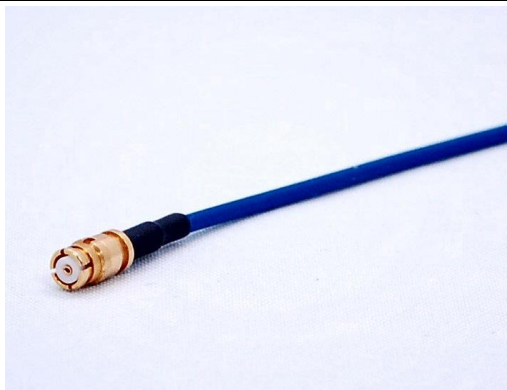


# 0.047 inches(with jacket) SF-051

Series Number
<b>SF-051</b>
Semi Flexible Cables 0.047 inches( $\phi$ 1.2)



Small diameter coaxial cables ( $\Phi$  1.5)  
 Narrow section With outer sheath Cable for wiring  
 Low cost yet stable transmission characteristics  
 Hand forming is possible by replacing semi-rigid cables  
 Frequency up to 26.5 GHz

## Mechanical Characteristics

Outer Diameter/Coating	1.45mm	ETFE Blue
Center Conductor	0.29mm	Silver-plated copper-clad steel, Single
Insulator	0.9mm	PTFE
Outer Conductor1	1.15mm	Tin-plated soft copper wire + tin coating
Outer Conductor2	-	
Outer Conductor3	-	
Operating temperature	-35°C~+125°C(Typ.-65°C~+165°C)	
Bending radius (min.)	Inner R2mm	
Mass	6g/m	

## Electrical Characteristics

Impedance	50 $\Omega$
Insulation resistance (20°C)	1500M $\Omega$ · km(Min.)
Withstand voltage	AC250V / minute
Shield Characteristics	>100dB Typ.
Wavelength shortening rate	70%
Frequency(Max.)	26.5GHz
Insertion Loss (typ)	1.2dB/m(@1GHz) / 2.8dB/m(@5GHz)
VSWR (typ)	1.20 (SMA)

## Applicable Connectors and Models

①	SF	-	051	-	SP	-	SP	-	□□□□	-	△△	
①	Cable Type		②		③	Connector1	④	Connector2	⑤	Length	⑥	Option
									⑤	L (mm)		
						③		④				
①	SF	RoHS compliant *Non-RoHS requests are negotiable.										
②	051	Cable Type										
③	SP	SMA(P)	~18GHz (~26.5G※)									
	SJ	SMA(J)	~18GHz (~26.5G※)									
	SPJ	SMA(J) With 4-hole flange	~18GHz (~26.5G※)									
	SPJ2	SMA(J) With 2-hole flange	~18GHz (~26.5G※)									
	consultation	SMP										
	consultation	SMPM										
⑤	□□□□	Cable length (mm)										
⑥	No entry	Standard Specification										
	26.5G	Frequency ~26.5GHz ※	Only SMA(P) and SMA(J)									

In the case of standard specifications, ⑥ is not required to be filled in.

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# 0.047 inches(with jacket) SF-051

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## 実測データ

Model : SF-051-SP-SP-1000-26.5G  
(SMAP-SMAP L=1m ~26.5GHz)

The data, etc. shown in the catalog are representative values and are not guaranteed.

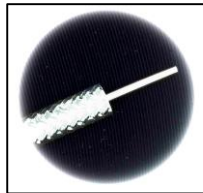
### ■ Actual Applications

Wiring in equipment.

Antenna wiring.

Directly attached to the board with one side wired out.

~K band (~26GHz)



### ■ Custom Cases

We can also customize the performance, connectors, cable length, etc.

We can also customize the product according to your needs.

GHz	(Typ)	
	I.L.(dB)	VSWR(U)
1	-1.20	1.01
2	-1.69	1.02
3	-2.10	1.02
4	-2.46	1.02
5	-2.77	1.02
6	-3.06	1.05
7	-3.34	1.01
8	-3.58	1.03
9	-3.81	1.05
10	-4.04	1.04
11	-4.27	1.01
12	-4.48	1.05
13	-4.70	1.05
14	-4.88	1.03
15	-5.09	1.01
16	-5.28	1.01
17	-5.46	1.08
18	-5.68	1.05
19	-5.83	1.02
20	-6.04	1.01
21	-6.16	1.05
22	-6.37	1.05
23	-6.54	1.02
24	-6.70	1.06
25	-6.88	1.09
26	-7.04	1.04
26.5	-7.13	1.07

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