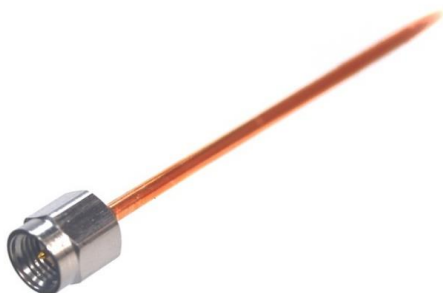


0.085 inches SR-002

Series Number
SR-002
Semi Rigid Cables 0.085 inches(ϕ 2.2)



Easy to handle, thick and easily hand-bendable.
 A wide variety of connectors in general sizes that can be attached. Suitable for cables directly attached to boards due to the one-sided core wire. We have a lot of experience in bending and phase control.
 Cable tin-plating available (SR-023)

Mechanical Characteristics

Outer Diameter/Coating	2.2mm	-
Center Conductor	0.51mm	Silver plated copper steel wire, Single
Insulator	1.68mm	PTFE
Outer Conductor1	2.2mm	Copper
Outer Conductor2	-	
Outer Conductor3	-	
Operating temperature	-35°C ~ +125°C (Typ. -65°C ~ +125°C)	
Bending radius (min.)	Inner R5mm	
Mass	21g/m	

Electrical Characteristics

Impedance	50 Ω
Dielectric strength(60Hz)	2500VRMS
Withstand voltage	1500VRMS
Allowable power (typ)	162W@1GHz / 48W@6GHz
Wavelength shortening rate	70%
Frequency(Max.)	60GHz
Insertion Loss (typ)	0.7dB/m(@1GHz) / 1.6dB/m(@5GHz)
VSWR (typ)	1.10(SMA)、1.30(N)

Applicable Connectors and Models

①	SR	-	002	-	SP	-	SJ	-	□□□□	-	△△
	①		②		③		④		⑤		⑥
			Cable Type		Connector 1		Connector 2		Length		Option
									⑤ L (mm)		
					③					④	
①	SR	RoHS compliant									
②	002	Cable Type Outer conductor No plating									
	023	Cable Type Outer conductor Tin-plating									
③	SP	SMA(P)	~18GHz (~26.5G ※)								
	SJ	SMA(J)	~18GHz (~26.5G ※)								
	SPJ	SMA(J) With 4-hole flange	~18GHz (~26.5G ※)								
	SBJ	SMA(J) Bulkhead	~18GHz								
	SLP	SMAL(P)	~8GHz								
	SLP8	SMAL(P)	8GHz ~ consultation								
④	NP	N(P) Knurled nut	~12.4GHz								
	NP6	N(P) Hex nut	~18GHz								
	2.92P	2.92mm(P)	~40GHz consultation								
	2.92J	2.92mm(J)									
	1.85P	1.85mm(P)	~60GHz								
	consultation	N(J)	consultation								
		SMP(F)									
		SMPM(F)									
⑤	□□□□	Cable length (mm)	When one side is open and cored out, add "C" and the length of the core wire.								
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.

Example of model : SR-002、SMA(J)、Open-core wiring 2mm、Length 100mm
 Model : SR-002-SJ-00-100C2

0.085 inches SR-002

Measured data

Model : SR-002-1.85P-1.85P-1000

(1.85mm(P)-1.85mm(P) L=1m ~60GHz)

GHz	I.L.(dB) (Typ)	VSWR(U) (Typ)
1	-0.60	1.02
2	-0.87	1.01
3	-1.08	1.02
4	-1.27	1.01
5	-1.43	1.02
6	-1.57	1.01
7	-1.75	1.01
8	-1.88	1.02
9	-2.00	1.02
10	-2.12	1.02
11	-2.23	1.02
12	-2.30	1.03
13	-2.45	1.02
14	-2.57	1.03
15	-2.67	1.02
16	-2.71	1.04
17	-2.87	1.04
18	-2.97	1.04
19	-3.06	1.07
20	-3.10	1.03

GHz	I.L.(dB) (Typ)	VSWR(U) (Typ)
21	-3.25	1.08
22	-3.33	1.06
23	-3.42	1.07
24	-3.45	1.10
25	-3.57	1.06
26	-3.67	1.12
27	-3.70	1.07
28	-3.83	1.13
29	-3.91	1.13
30	-3.98	1.09
31	-4.08	1.18
32	-4.07	1.09
33	-4.23	1.17
34	-4.31	1.18
35	-4.35	1.10
36	-4.47	1.21
37	-4.50	1.12
38	-4.58	1.18
39	-4.66	1.19
40	-4.65	1.11

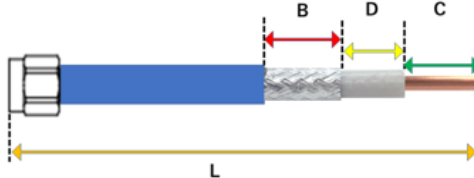
GHz	I.L.(dB) (Typ)	VSWR(U) (Typ)
41	-4.80	1.21
42	-4.85	1.13
43	-4.92	1.18
44	-5.00	1.17
45	-5.07	1.15
46	-5.16	1.19
47	-5.22	1.13
48	-5.25	1.18
49	-5.39	1.13
50	-5.40	1.17
51	-5.55	1.15
52	-5.63	1.15
53	-5.64	1.18
54	-5.78	1.14
55	-5.88	1.22
56	-5.96	1.17
57	-6.04	1.24
58	-6.13	1.23
59	-6.19	1.25
60	-6.31	1.32

Open-ended cables

We process the wire according to the specified overall length, outer conductor, insulation, and core runout dimensions. We process with a dedicated terminal processing machine to ensure uniform finish without any variation.



One end open (core wire out) specification for board attachment, etc.



Please specify length(mm).

- L (Length) Standard tolerance ± 2 mm
- B (Outer Conductor) Standard tolerance ± 1 mm
- D (Insulator) Standard tolerance ± 1 mm
- C (Center Conductor) Standard tolerance ± 0.5 mm

"B" is not necessary if no external sheathing is used.

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