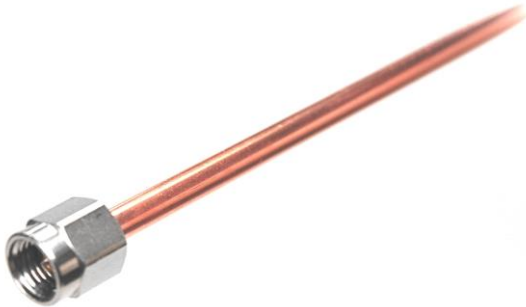


0.141 inches SR-001

Series Number
SR-001
Semi Rigid Cables 0.141 inches(ϕ 3.6)



Low reflection SMA(P) is possible because the core wire of the cable is used for the connector contact, making the most of the cable's characteristics.
 We have a lot of experience in bending and phase control.
 Cable tin-plating available (SR-022)

Mechanical Characteristics

Outer Diameter/Coating	3.60mm	-
Center Conductor	0.91mm	Silver-plated copper-clad steel, Single
Insulator	2.98mm	PTFE
Outer Conductor1	3.60mm	Copper
Outer Conductor2	-	
Outer Conductor3	-	
Operating temperature	-35°C~+125°C(Typ.-65°C~+125°C)	
Bending radius (min.)	Inner R6mm	
Mass	49g/m	

Electrical Characteristics

Impedance	50 Ω
Dielectric strength(60Hz)	5000VRMS
Withstand voltage	1900VRMS
Allowable power (typ)	450W@1GHz / 150W@6GHz
Wavelength shortening rate	70%
Frequency(Max.)	34GHz
Insertion Loss (typ)	0.4dB/m(@1GHz) / 0.9dB/m(@5GHz)
VSWR (typ)	1.10(SMA)、1.30(N)

Applicable Connectors and Models

SR ①	-	001 ②	-	SP ③	-	SJ ④	-	□□□□ ⑤	-	△△ ⑥
		Cable Type		Connector1		Connector2		Length		Option
								← ⑤ L (mm) →		
				③		④				
①	SR	RoHS compliant								
②	001	Cable Type Outer conductor No plating								
	022	Cable Type Outer conductor Tin-plating								
③ ④	SP	SMA(P)								~18GHz (~26.5G ※)
	SJ	SMA(J)								~18GHz (~26.5G ※)
	SPJ	SMA(J) With 4-hole flange								~18GHz (~26.5G ※)
	SLP	SMAL(P)								~18GHz
	NP	N(P) Knurled nut								~12.4GHz
	NP6	N(P) Hex nut								~18GHz
	2.92P	2.92mm(P)-TYPE								~34GHz (Typ.~40GHz)
	consultation	N(J) TNC								consultation
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.

0.141 inches SR-001

Measured data

Insertion Loss (Typ)

GHz	I.L.(dB)
1	-0.37
2	-0.53
3	-0.68
4	-0.81
5	-0.91
6	-0.99
7	-1.08
8	-1.16
9	-1.26
10	-1.35
11	-1.45
12	-1.53
13	-1.60
14	-1.68
15	-1.75
16	-1.81
17	-1.91
18	-1.97
19	-2.05
20	-2.11
21	-2.21
22	-2.26
23	-2.35
24	-2.42
25	-2.47
26	-2.52
27	-2.58
28	-2.64
29	-2.67
30	-2.71

Actual Applications

- Wiring in equipment.
- Antenna wiring.
- Phase control and radar wiring.
- High power wiring.
- Directly attached to the board by one-sided wire processing.

Custom Cases

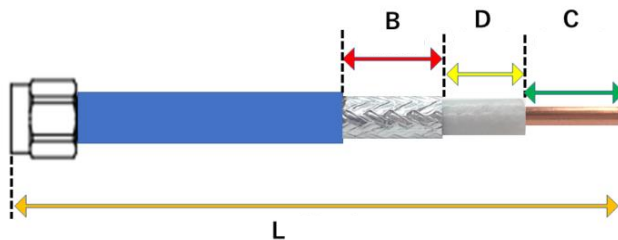
- We can also customize the performance, connectors, cable length, etc.
- TNC、MCX、BNC
- Phase and electrical length management.

Open-ended cables

- Various types of semi-flexible, semi-rigid, and flexible cables are available.
- We process cables according to the specified total length, outer conductor, insulator, and core runout dimensions. Processing is performed using a dedicated end processing machine to ensure uniformity without any variation.



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



Please specify length(mm).

- | | |
|----------------------|---------------------------------------|
| L (Length) | Standard tolerance $\pm 2\text{mm}$ |
| B (Outer Conductor) | Standard tolerance $\pm 1\text{mm}$ |
| D (Insulator) | Standard tolerance $\pm 1\text{mm}$ |
| C (Center Conductor) | Standard tolerance $\pm 0.5\text{mm}$ |
- "B" is not necessary if no external sheathing is used.

Example of model : SR-001、SMA(J)、Length: 100mm、Core wire: 2mm
 Model : SR-001-SJ-00-100C2

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