

# 50 Ohm SMA Cable Assemblies

- Up to 20GHz, SMA-male connectors
- Gold-plated brass or stainless steel connectors available
- Robust, High Performance
- Customization available
- 100% QC, Test report available
- Short lead time





# 50 Ohm 18/ 20GHz SMA Cable Assemblies

## Introduction

The CCxx-31 is a series of high performance cable assemblies with SMA-male connectors on both sides.

It is designed for general laboratory requirements or production line testing requirements as well as 50 ohm communication system applications.

The series boasts excellent electrical characteristics like low insertion loss and excellent return loss up to 20 GHz as well as outstanding mechanical durability.



## Feature

- Up to 20GHz
- High Performance
- Low Insertion Loss
- Excellent Return Loss

## Advantage

- Bending up to 10,000 times
- Extraction/insertion 500+ times
- 100% QC

## Benefit

- Cost-efficient
- Longer life

Item	CC20-31M31M68-0S01-0600	CC18-31M31M68-0S02-0600	CC18-31M31M68-0S01-0600
Impedance	50 Ohm	50 Ohm	50 Ohm
Frequency Range	9KHz ~ 20GHz	9KHz ~ 18GHz	9KHz ~ 18GHz
Insertion Loss	1.3dB (typ) 1.6dB (max)	1.3dB (typ) 1.6dB (max)	1.4dB (typ) 1.7dB (max)
Return Loss (9KHz – 8GHz)	26dB (typ) 22dB (min)	24dB (typ) 20dB (min)	20dB (typ) 18dB (min)
Return Loss (8.001 – 18GHz)	26dB (typ) 22dB (min)	24dB (typ) 20dB (min)	20dB (typ) 18dB (min)
Return Loss (18.001 – 20GHz)	24dB (typ) 18dB (min)	-	-
Length	60cm		
Connector Material	Gold-plated Brass		
Connector type	SMA-male (both sides)		



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Model	Freq. Range	Cable	Length	Return Loss (min)	Con.
CC18 - 31M31M68-0S01-0600	18GHz	Flexible (2)	60cm	18dB	G
CC18 - 31M31M68-0S03-0600	18GHz	Flexible (2)	60cm	18dB	S
CC18 - 31M31M68-0S02-0600	18GHz	Flexible (2)	60cm	20dB	G
CC18 - 31M31M68-0S04-0600	18GHz	Flexible (2)	60cm	20dB	S
CC20 - 31M31M68-0S01-0600	20GHz	Flexible (1)	60cm	22dB(<18GHz) 18dB(>18GHz)	G
CC20 - 31M31M68-0S02-0600	20GHz	Flexible (1)	60cm	22dB(<18GHz) 18dB(>18GHz)	S

\* Connector material, G = gold-plated brass S = stainless steel

\* Please specify cable length when ordering (e.g. 30cm, 60cm, 100cm,...)

\* The cable length include both connectors

**CC20 – 31M31M68-0S02-0600**

Cable assembly with Connector

20 : 20GHz, 18 : 18GHz

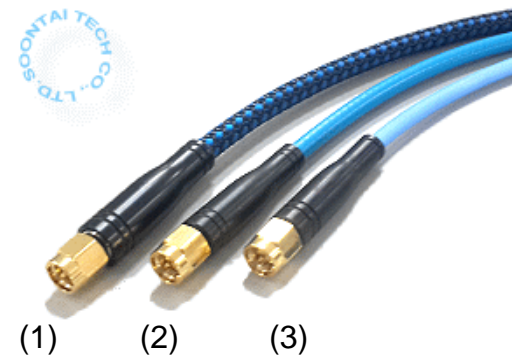
31 : SMA connector

M : Male / Female

68 : Cable type

02 : Connector material, Braided sleeve, Electrical specifications,...info.

0600 : 600 mm length





# SOONTAI TECH CO., LTD.

Soontai - a worldwide well-known manufacturer of RF components

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Certificate TW12/11128

## About Soontai

Soontai, established in 1994, has become well-known for high quality 75 ohm filter design and manufacturing. We have taken this extensive design experience and our expertise to develop a line of 75 and 50 ohm high performance RF accessories. Currently our products are used by global MSOs (multi-service operators), IC design companies, Internet service providers, RF telecom/ set-top boxes/ cable modem manufacturers,... etc.

For more high performance RF components please visit us at <http://www.soontai.com/hp-ac.s.htm>

