

# **CAB-U.FL/SMA**

**IQRF SMA Antenna Coaxial Cable**

## **User's Guide**



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## Description

CAB-U.FL/SMA is a double ended coaxial cable for connecting an antenna with the SMA connector to IQRF transceiver module with ultra small antenna connector.

## Applications

- Connectivity to TR modules with the "C" ordering suffix

## Key features

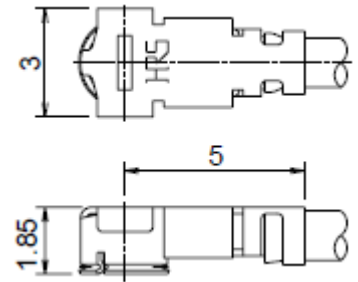
- Double ended cable assembly
- Fits to the KON-U.FL-R-SMT connector
- 5 cm, 15 cm, 50 cm, 100 cm or custom cable length



## Parameters

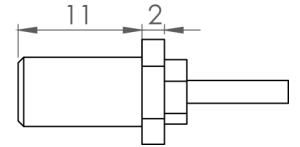
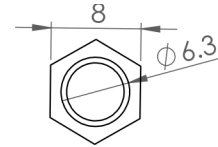
### Plug U.FL

Mated height	2.3 mm nom., 2.4 mm max.
Applicable cable	1.37 mm diameter
Weight	71.7 mg
Attenuation	2 dB/m (for 433 MHz to 916 MHz)



### Jack SMA

Gender	Female
Applicable cable	1.37 mm diameter
Screw thread	1/4 - 36UNS
Weight	3.5 g
Attenuation	0.05 dB/m (for 433 MHz to 916 MHz)



### Cable

Jacket diameter	1.37 mm FEP
Inner conductor	7/0.102 mm silver plated annealed copper wire
Dielectric diameter	0.88 FEP
Outer conductor	single shield tin plated annealed copper wire
Impedance	50 Ω
Attenuation	1.6 dB/m (for 433 MHz to 916 MHz)
Length	L = 150 mm ± 4 mm (CAB-U.FL/SMA-15) L = 1000 mm ± 12 mm (CAB-U.FL/SMA-100) Custom specified (CAB-U.FL/SMA-xxx)
Weight	4 g/m

All parameters are for guidance only and should be considered as typical.

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**Product information**

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**Pack list**

- CAB-U.FL/SMA      Antenna cable, including the nut

**Ordering code**

- CAB-U.FL-05      Cable length 5 cm
- CAB-U.FL-15      Cable length 15 cm
- CAB-U.FL-50      Cable length 50 cm
- CAB-U.FL-100      Cable length 100 cm
- CAB-U.FL-xxx      Custom specified cable length

**Document history**

- 150812      Cable lengths revised
- 140703      SMA connector gender added
- 131220      Mechanical drawing of SMA connector added
- 100525      CAB-U.FL-5 added
- 100117      First release

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# Sales and Service

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## Corporate office

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## Partners and distribution

Please visit [www.iqrf.org/partners](http://www.iqrf.org/partners)

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## Quality management

*ISO 9001 : 2009 certified*

*Complies with Directive 2002/95/EC (RoHS)*



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**On-line support: [support@iqrf.org](mailto:support@iqrf.org)**

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