

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

**IQRF SMA Antenna Coaxial Cable**

## **User's Guide**



Simple way to smarter wireless solutions

## 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

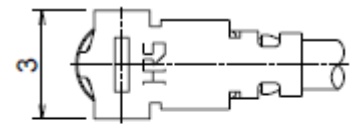
- Double ended cable assembly
- Fits to the KON-U.FL-R-SMT connector
- 15 cm, 100 cm or custom cable length



## Parameters

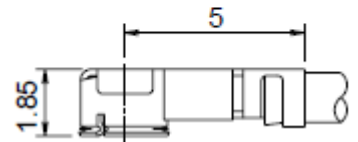
### Plug U.FL

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

Applicable cable	1.37 mm diameter
Screw thread	¼ - 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.*

### Pack list

- CAB-U.FL/SMA Cable

### Ordering code

- CAB-U.FL-15 Cable length 150 mm
- CAB-U.FL-100 Cable length 1000 mm
- CAB-U.FL-xxx Custom specified cable length

### Document history

- 100117 First release

---

# Sales and Service

---

## Corporate office

MICRORISC s.r.o., Delnicka 222, 506 01 Jicin, Czech Republic, EU  
Tel: +420 493 538 125, Fax: +420 493 538 126, [www.microrisc.com](http://www.microrisc.com)

## Partners and distribution

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

---

## Quality management

*ISO 9001 : 2000 certified*

*Complies with ETSI directives EN 30279 V.1.2.1:99, ETS 30683:97, ETSI EN 301489-1:00,  
ETSI EN 300220-1:00, ETSI EN 300390-2V.1.1.1:00*

*Complies with FCC directives FCC CFR, Title 47, Part 15, Section 15.209, FCC CFR, Title 47, Part 15, Section 15.249*

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



## Trademarks

*The IQRF name and logo are registered trademarks of MICRORISC s.r.o.  
PIC, SPI, Microchip, RFM and all other trademarks mentioned herein are property of their respective owners.*

## Legal

*All information contained in this publication is intended through suggestion only and may be superseded by updates without prior notice. No representation or warranty is given and no liability is assumed by MICRORISC s.r.o. with respect to the accuracy or use of such information.*

*Without written permission it is not allowed to copy or reproduce this information, even partially.*

*No licenses are conveyed, implicitly or otherwise, under any intellectual property rights.*

*The IQRF products utilize several patents (CZ, EU, US)*

---

**On-line support: <http://iq-esupport.com>**

---



Simple way to smarter wireless solutions