

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

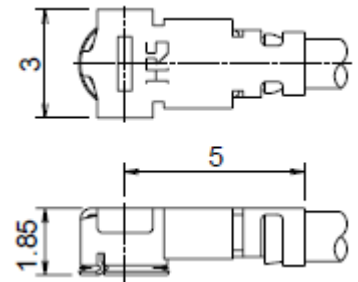
- Double ended cable assembly
- Fits to the KON-U.FL-R-SMT connector
- 15 cm, 100 cm or custom cable length



Parameters

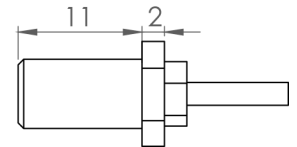
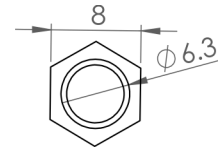
Plug U.FL

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

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.

Product information

Pack list

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

Ordering code

- CAB-U.FL-5 Cable length 50 mm
- 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

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

Sales and Service

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Partners and distribution

Please visit www.iqrf.org/partners

Quality management

ISO 9001 : 2009 certified

Complies with Directive 2002/95/EC (RoHS)



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