

N-type to SMARS Cable - Seeed Studio



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The IoT Hardware Enabler



N Female to RP-SMA male connector RF Cable - CFD200 - 3m

N-type to RP-SMA male Cable with 3m length to connect a LoRa Gateway to a fiberglass antenna.

PRODUCT DETAILS

Features

- Extend the connection between a fiberglass antenna (with N-type male connector) and a Gateway(with RP-SMA Female connector)
- Gold plated brass surface connector
- Length: 3m
- Waterproof
- CFD200 Cable (same functionality and quality with LMR200)
- Can be used with SenseCAP gateways series including SenseCAP M1

Description

When setting up a LoRa Network the positioning of the Gateway and the Antenna may strongly influence the coverage. When you use a fiberglass antenna to further improve the coverage. This CFD200 cable with a 3m length could enable you to extend the distance between the device and the antenna therefore you could have more positioning flexibility. It is also waterproof and can withstand harsh outdoor environments.

Applications

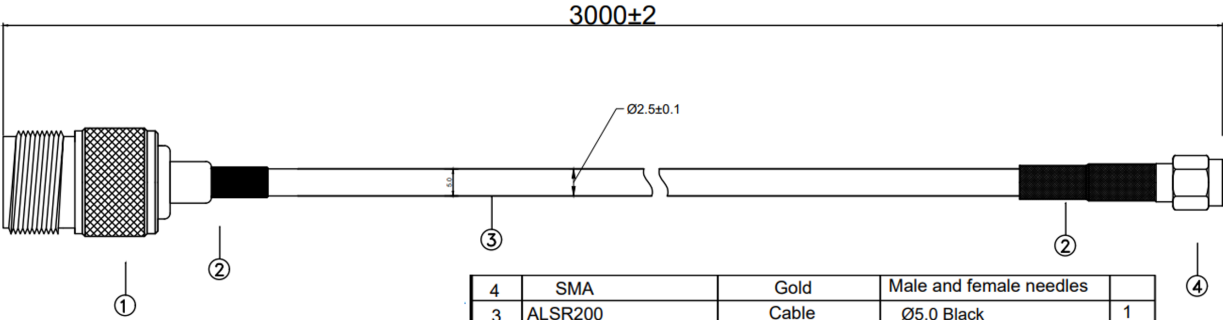
- SenseCAP gateways including SenseCAP M1;
- LoRa-E5 Dev Kit and LoRa-E5 mini;
- Other devices which have RP-SMA female antenna connectors and connect to N-type connector antennas;



Specification

Electric Characteristics	
Frequency	DC~ 6 GHz
Impedance	50 Ohm
S.W.R.	≤ 2.0
Insertion Loss	≤ 1.5 dB @ 3 GHz
Voltage (breakdown)	> 500 V
Insulation Resistance	≥ 15 M ohm
Center Conductor Contact Resistance	≤ 60 m ohm
Outer Conductor Contact Resistance	≤ 25 m ohm
Material & Mechanical Characteristics	
Material of Conductor Brass (Cu) Pull Test of N Connector	≥ 5 Kg
Pull Test of RP-SMA Connector	≥ 3 Kg
Mating Cycles	> 500
Environmental	
Operation Temperature	-40°C~+65°C
Storage Temperature	-40°C~+80°C

Technical Details



4	SMA	Gold	Male and female needles	
3	ALSR200	Cable	Ø5.0 Black	1
2	SHRINKABLE TUBE	Heat Shrink Tube	Black Ø4.0*25.0mm	2
1	N-TYPE	N PLUG	Ni Plated	2
No.	Part Number	Name	DESCRIPTIN	Q'ty