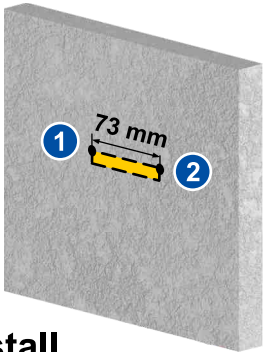


Operation	Tool
Fix screws.	Mask
	Tape
	Long tape
	Marking pen
	Level ruler
	Percussion drill
	Vacuum cleaner
	Adaptor
	Adjustable wrench
	Claw hammer
Installing the Fixing Clip on the Wall.	Socket wrench
Install the installation bracket on the RRU.	M6 internal hexagonal wrench
Secure the vertical fastening screws.	M6 internal hexagonal wrench
Secure the bracket fastening screws.	M6 internal hexagonal wrench

Drilling Specification

Follow the installation diagram to mark the drilling position on the wall.

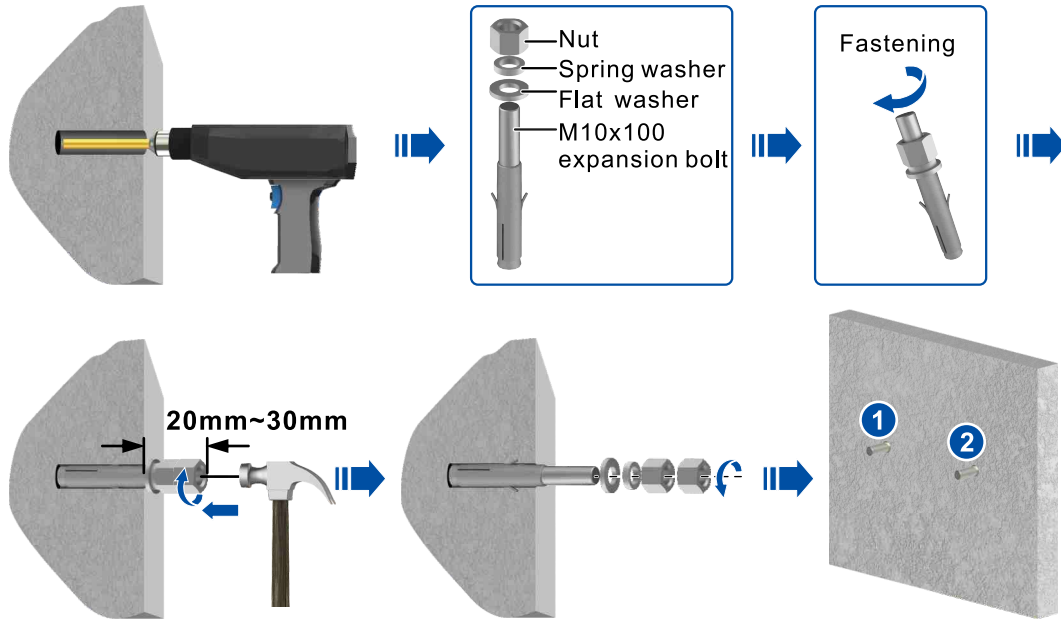


Note: It is recommended that you use a level ruler to keep the holes horizontal when marking the drilling holes.

Steps

1 Drill holes on the wall and install expansion bolts.

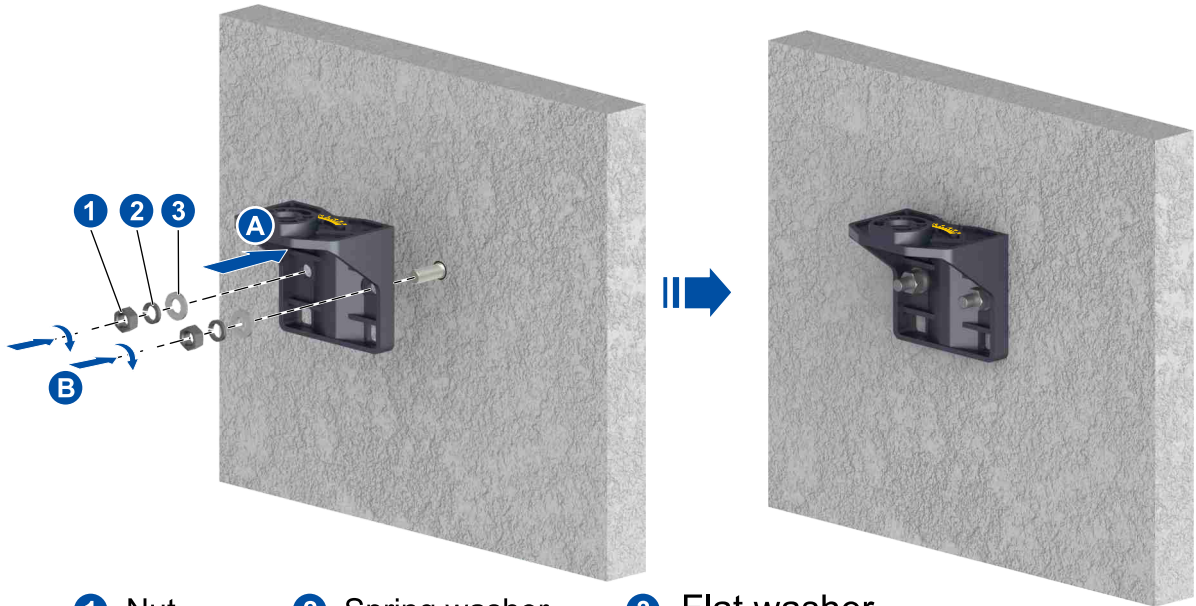
a Mark holes on the wall in accordance with the drilling specification.



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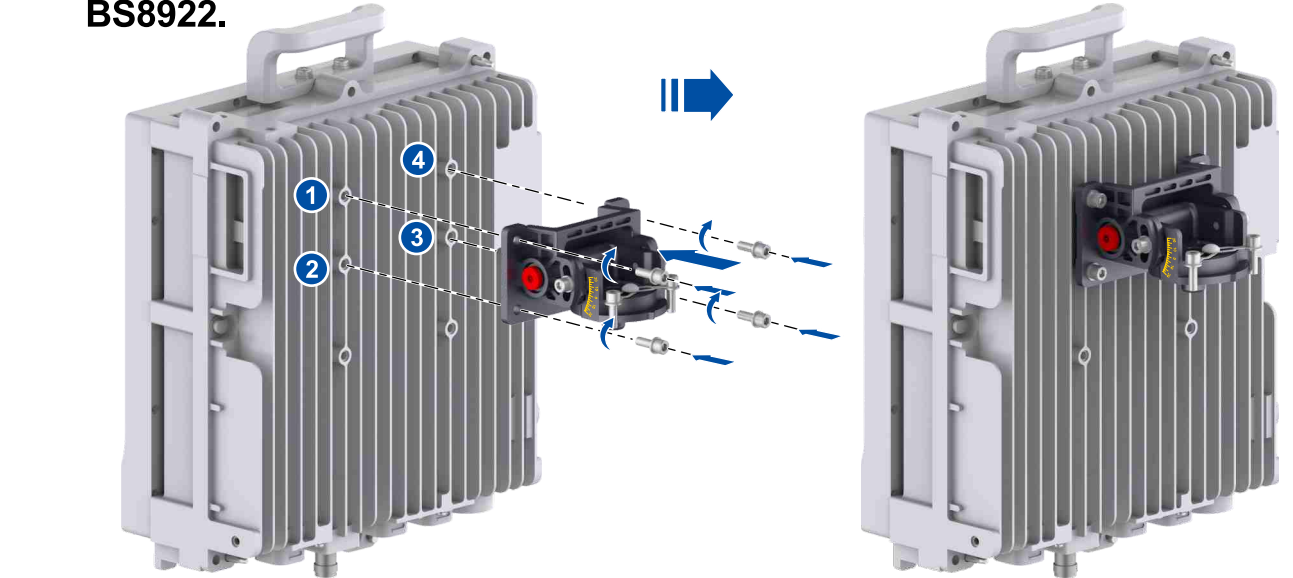
- b Use a $\varnothing 12$ percussion drill to drill holes at the marked positions on the wall, and use a vacuum cleaner to remove the dust.
- c Use a claw hammer to knock the expansion bolts into the holes, and fasten the nuts clockwise to make the bolts fully expand in the wall.
- d Loosen the nuts counterclockwise, and remove the nuts, spring washers, and flat washers.

2 Install the fixing clip on the wall.



1 Nut 2 Spring washer 3 Flat washer

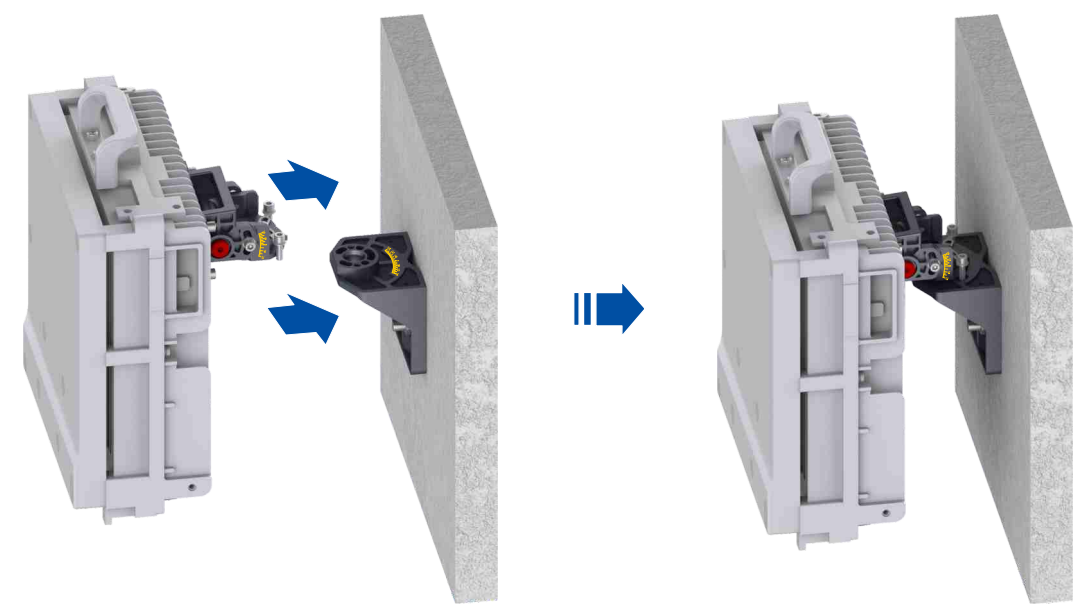
3 Use four M6×20 screws to install the installation bracket on the ZXSDR BS8922.



Note: When installing the M6×20 screws, first fasten the screws about 70% of the depth, then fasten the screws in accordance with the diagonal sequence.

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4 Mount the ZXSDR BS8922, on which the installation bracket is installed, on the fixing clip.



5 Adjust the vertical angle of the ZXSDR BS8922.

Note: The angle between the ZXSDR BS8922 and the wall must be between 0° and 20°.

a Loosen the vertical fastening screws until the ZXSDR BS8922 can be adjusted vertically.

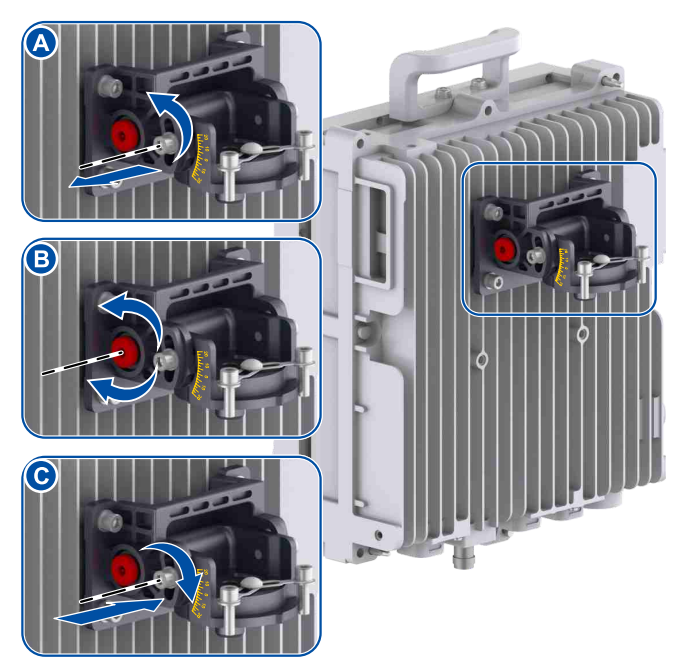
b Adjust the vertical angle of the ZXSDR BS8922.

c Secure the vertical fastening screws.

6 Adjust the horizontal angle of the ZXSDR BS8922.

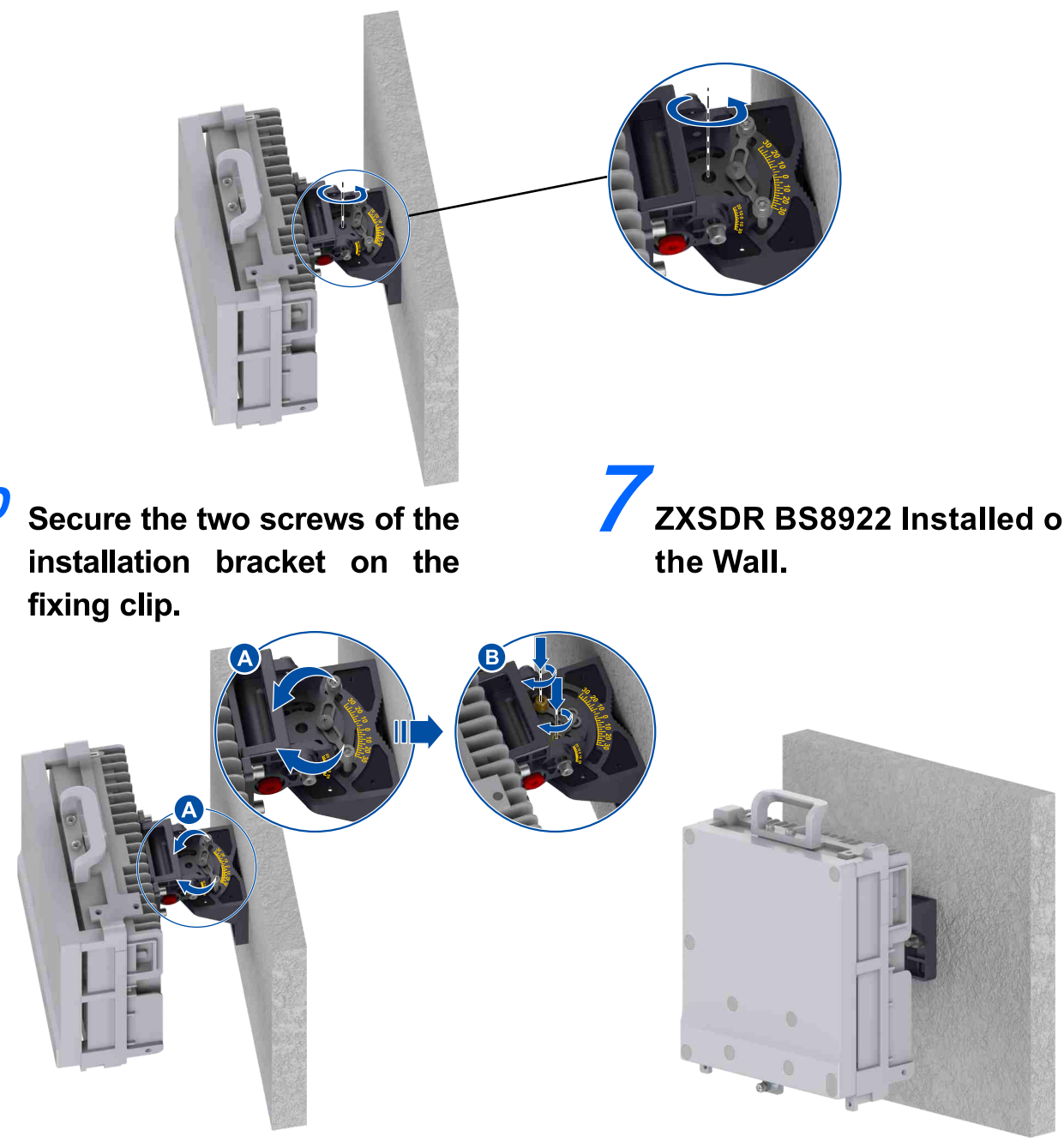
Note: The horizontal angle adjustment range for the ZXSDR BS8922 must be between -30° and 30°

a Adjust the horizontal angle of the ZXSDR BS8922.



b Secure the two screws of the installation bracket on the fixing clip.

7 ZXSDR BS8922 Installed on the Wall.



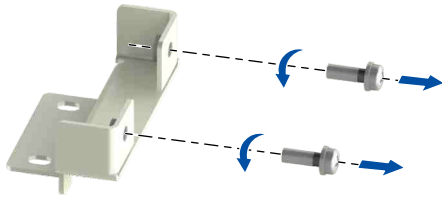
GPS Antenna Installation (Optional)

Installation Tools

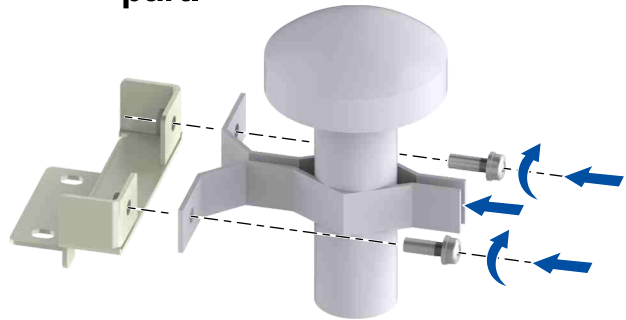
Operation	Tool
Installing the GPS Antenna Installation Component on the RRU.	cross screwdriver
Installing the GPS Antenna on the GPS Antenna Installation Component.	cross screwdriver

Steps

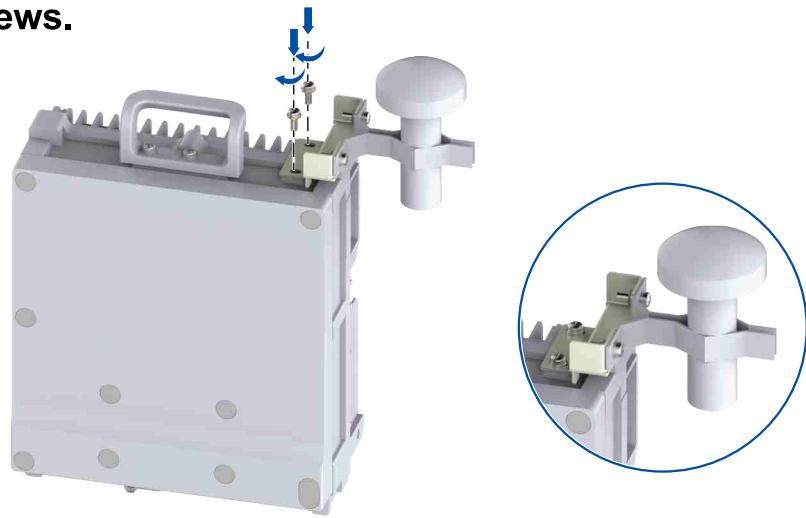
1 Remove the two M6×20 screws from the GPS antenna mounting part.



2 Mount the GPS antenna onto the GPS antenna mounting part.



3 Mount the GPS antenna assembly onto the ZXSDR BS8922 with two M6×16 screws.



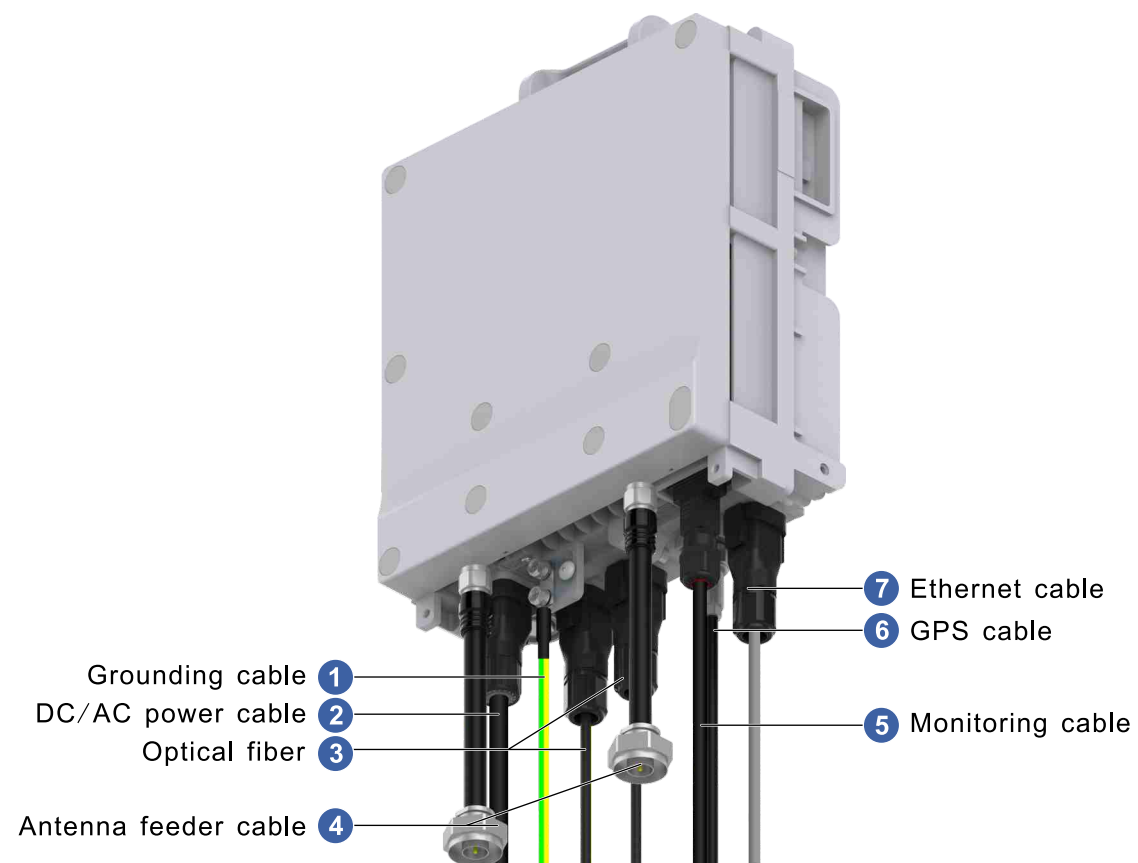
Cable List

Item		Local Equipment	Interconnected Equipment
Grounding Cable	Connector Type	OT terminal	OT terminal
	Interconnected Port	Local grounding terminal of ZXSDR BS8922	Grounding bar
	External View		
DC power cable	Connector Type	DC power input connector	Bare wire
	Interconnected Port	The power interface of the ZXSDR BS8922	DC power supply. Terminals need to be fabricated on site.
	External View		

AC power cable	Connector Type	Power input connector	Three-flat-bottom plug
	Interconnected Port	Power interface of the ZXSDR BS8922	DC power supply. Terminals need to be fabricated on site.
	External View		
Optical fiber	Connector Type	LC	LC
	Interconnected Port	OPT interface of the ZXSDR BS8922	Core network or neighbor device
	External View		
Antenna feeder cable	Connector Type	N-type connector	N-type connector
	Interconnected Port	Antenna port of the ZXSDR BS8922	Antenna RF port
	External View		
Monitoring cable	Connector Type	D-type 15-pin (three rows) straight cable welding circle connector	Bare wire
	Interconnected Port	MON interface of the ZXSDR BS8922	Monitoring device
	External View		
GPS cable	Connector Type	N-type connector	N-type connector
	Interconnected Port	GPS port of the ZXSDR BS8922	GPS antenna RF port
	External View		
Ethernet cable	Connector Type	8-pin RJ45 connector	8-pin RJ45 connector
	Interconnected Port	ETH interface of the ZXSDR BS8922	PC, core network, neighbor device, or peripheral device
	External View		

Cable Installation

ZXSDR BS8922 Cable Installation Illustration

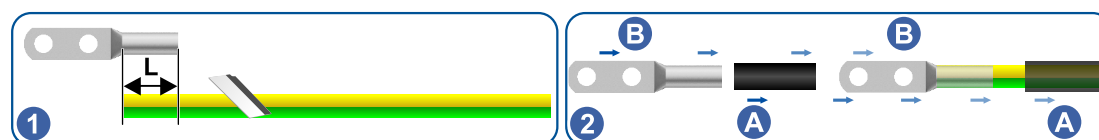


Installing the Grounding Cable

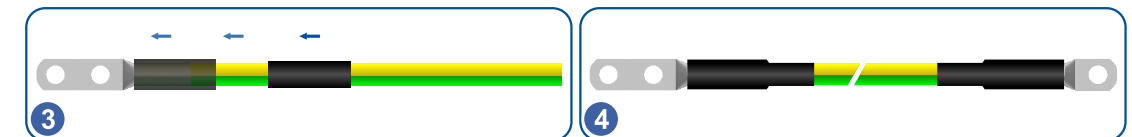
Installation Tools

Operation	Tool
Crimp an OT terminal.	Hydraulic clamp
Fix a protection grounding cable.	Cross screwdriver
	Adjustable wrench

The grounding cable consists of 16 mm² yellow/green fire-resistant multi-strand wires. End A is a dual-hole grounding terminal while end B is a single-hole grounding terminal. The grounding cable is made on site. Figure illustrates how to make a grounding cable.



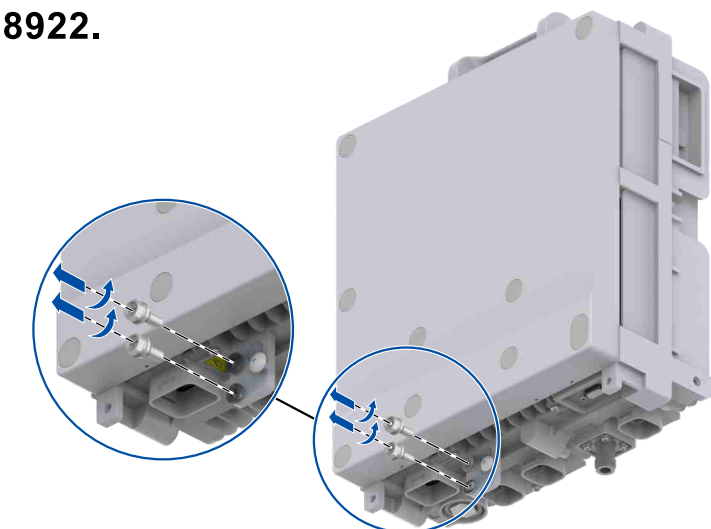
19



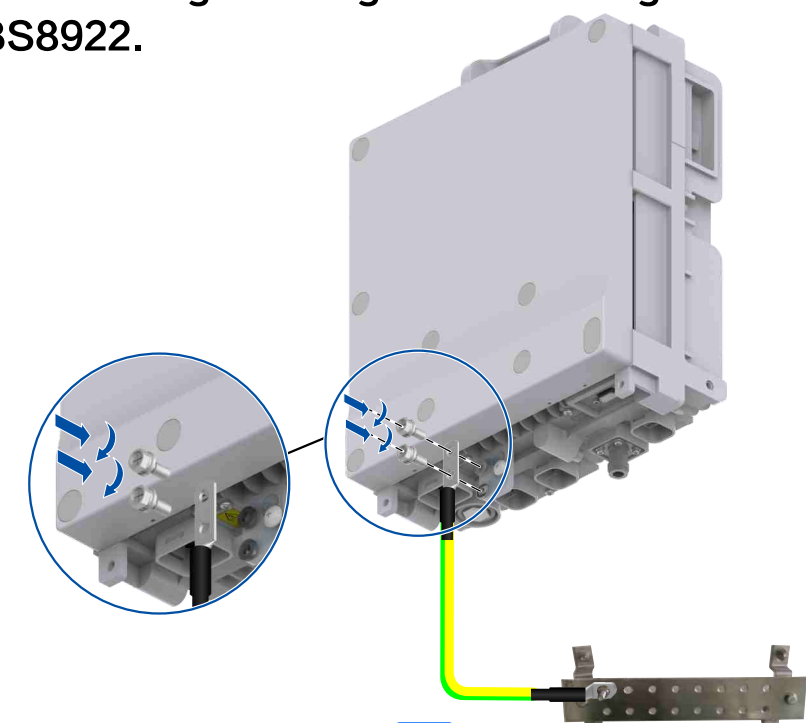
- a Cut a proper length of the grounding cable, and peel off the external sheath at end A to expose the wires.
- b Put a heat-shrinkable tube on end A, and crimp it on a grounding terminal.
- c Use a hot-air blower to heat the heat-shrinkable tube.
- d Use the same method to crimp end B on a grounding terminal.

Steps

- 1 Remove the two grounding screws from the grounding point of the ZXSDR BS8922.



- 2 Install end A of the grounding cable on the grounding point of the ZXSDR BS8922.



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3 Remove the dust on the copper grounding busbar, install end B on the copper grounding busbar, and put anti-rust paint around the grounding screws on the copper grounding busbar.

4 Paste labels on the two ends of the grounding cable. The grounding cable is installed successfully.

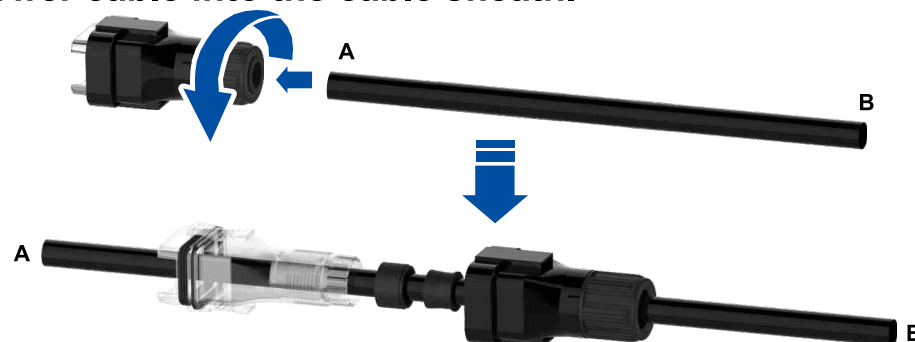
Installing the Power Cable

Installation Tools

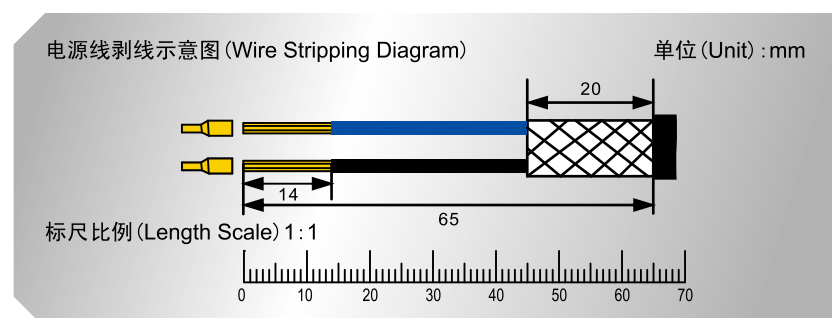
Operation	Tool
Tailor cables.	Ruler
	Wire stripper/paper knife
Crimp tubular terminals.	Crimping pliers
Rinsulate the shielding layer.	Black insulation tape
Fix the power cable to the shell.	Black ties
Tailor black ties.	Diagonal pliers
Remove cables from the DC power connector.	Flathead screwdriver

The following describes how to make a power cable:

1 Loosen the power cable sheath counterclockwise, and lead end A of the power cable into the cable sheath.

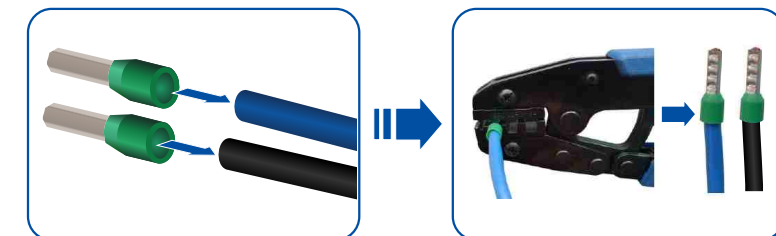


2 Use a cable stripper to peel the cable.



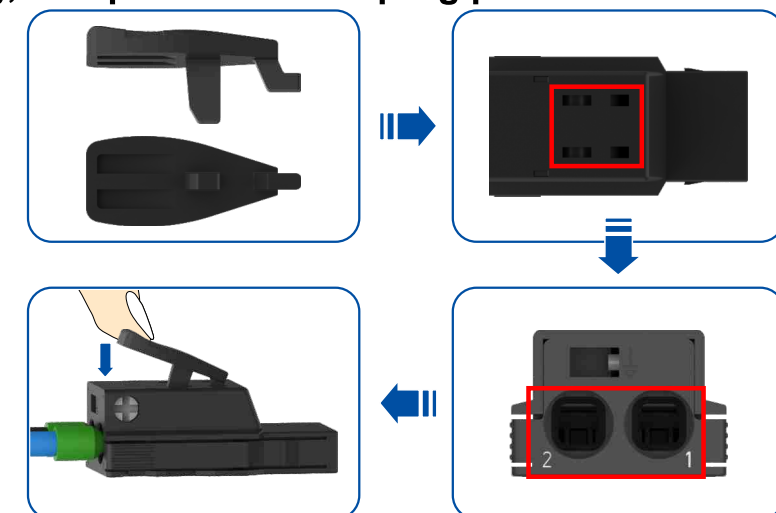
21

3 Lead the power cable into the tube-shaped terminals, and crimp them tightly.

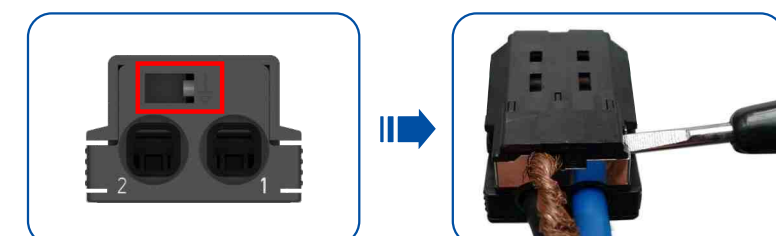


4 Connect the power cable to a power connector.

a Insert the power cable with crimped tube-shaped terminals into a power plug, and press the crimping part.



b Loosen the screw for the grounding interface of the power connector, twist the shielding layer of the power cable into a strip, and connect it to the grounding interface of the power connector. Tighten the screw for the grounding interface.



5 Fasten the nut at the end of the power cable sheath clockwise.



Steps

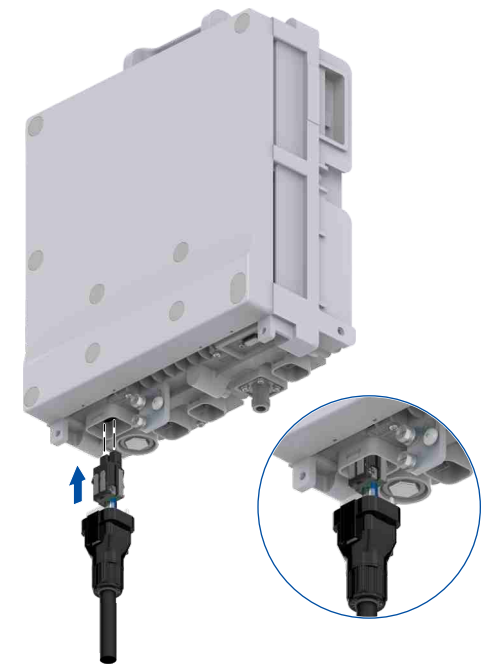
Prerequisite: The power cable is made.

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1 Loosen the nut at the end of the power cable sheath counterclockwise.



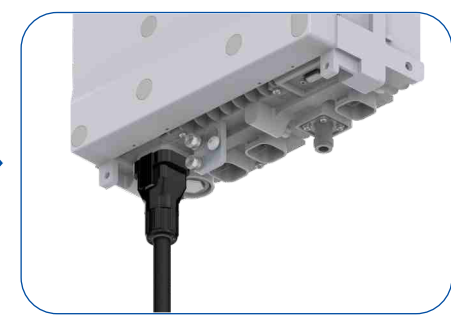
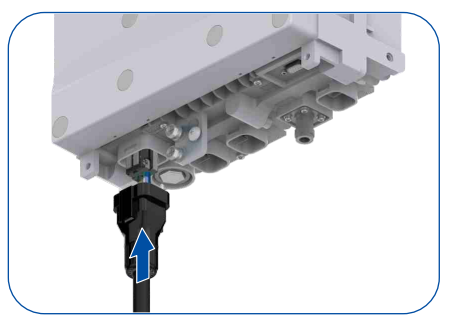
2 Insert the power plug of the power cable into the power interface of the ZXSDR BS8922.



3 Push the power cable sheath upwards until it fastens onto the slot of the power interface.



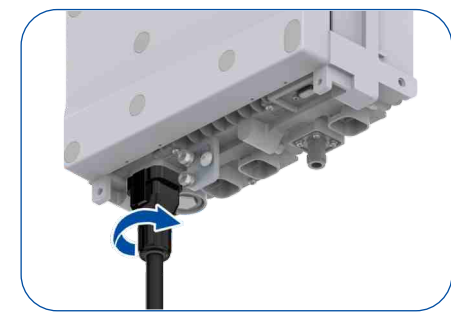
Note: When the power cable sheath is completely engaged in the slot of the power interface, two click sounds are heard.



4 Fasten the nut at the end of the power cable sheath clockwise.

5 Connect end B of the power cable to the power supply.

6 Paste labels on the two ends of the power cable. The power cable is installed successfully.

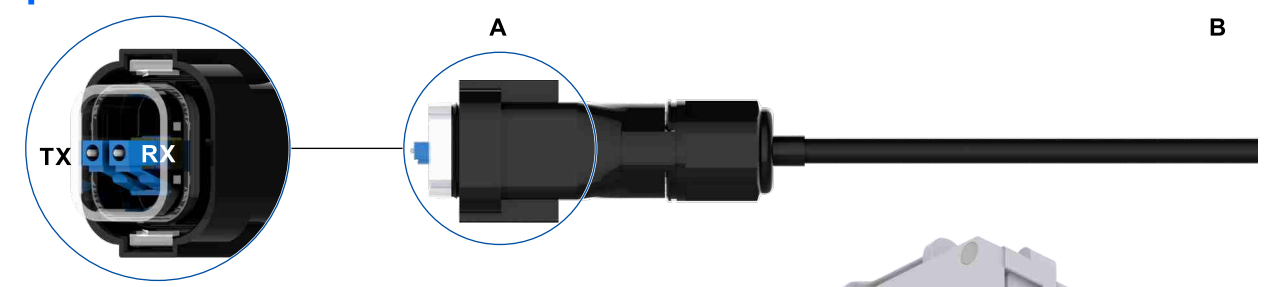


Installing the Optical Fiber

Installation Tools

Operation	Tool
Fix the optical fiber.	Cross screwdriver
Remove the bellows.	Diagonal plier

Optical Fiber



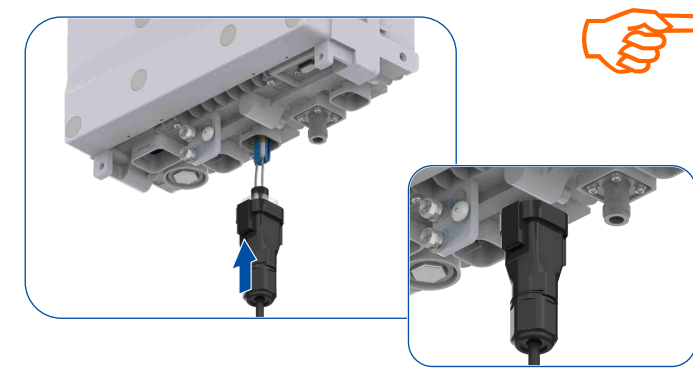
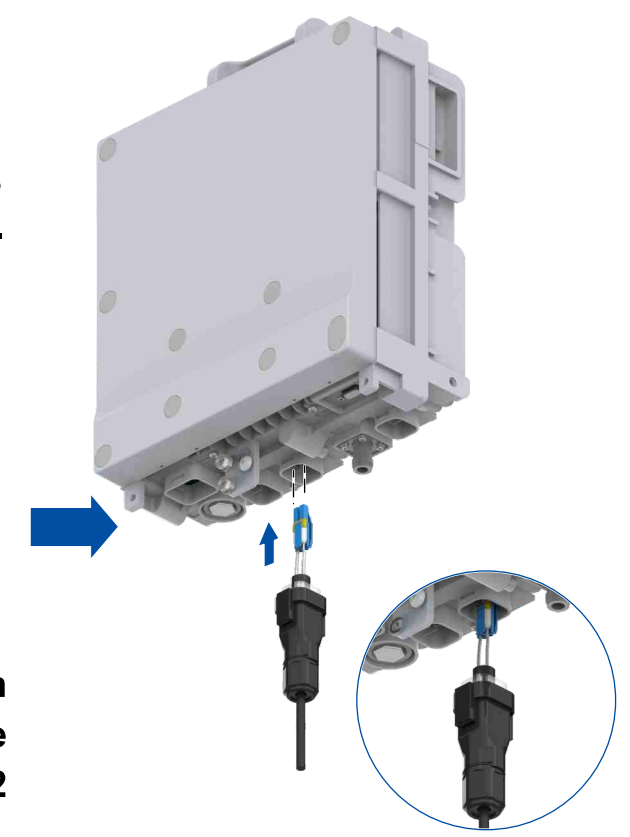
Steps

1 Loosen the nut at the end of the optical fiber sheath counterclockwise.



2 Insert the optical connector into the OPT1 port or OPT2 port of the ZXSDR BS8922.

3 Push the optical fiber sheath upwards until it fastens onto the slot of the OPT1 port or OPT2 port.



Note: When the optical fiber sheath is completely engaged in the slot of the OPT port, two click sounds are heard.