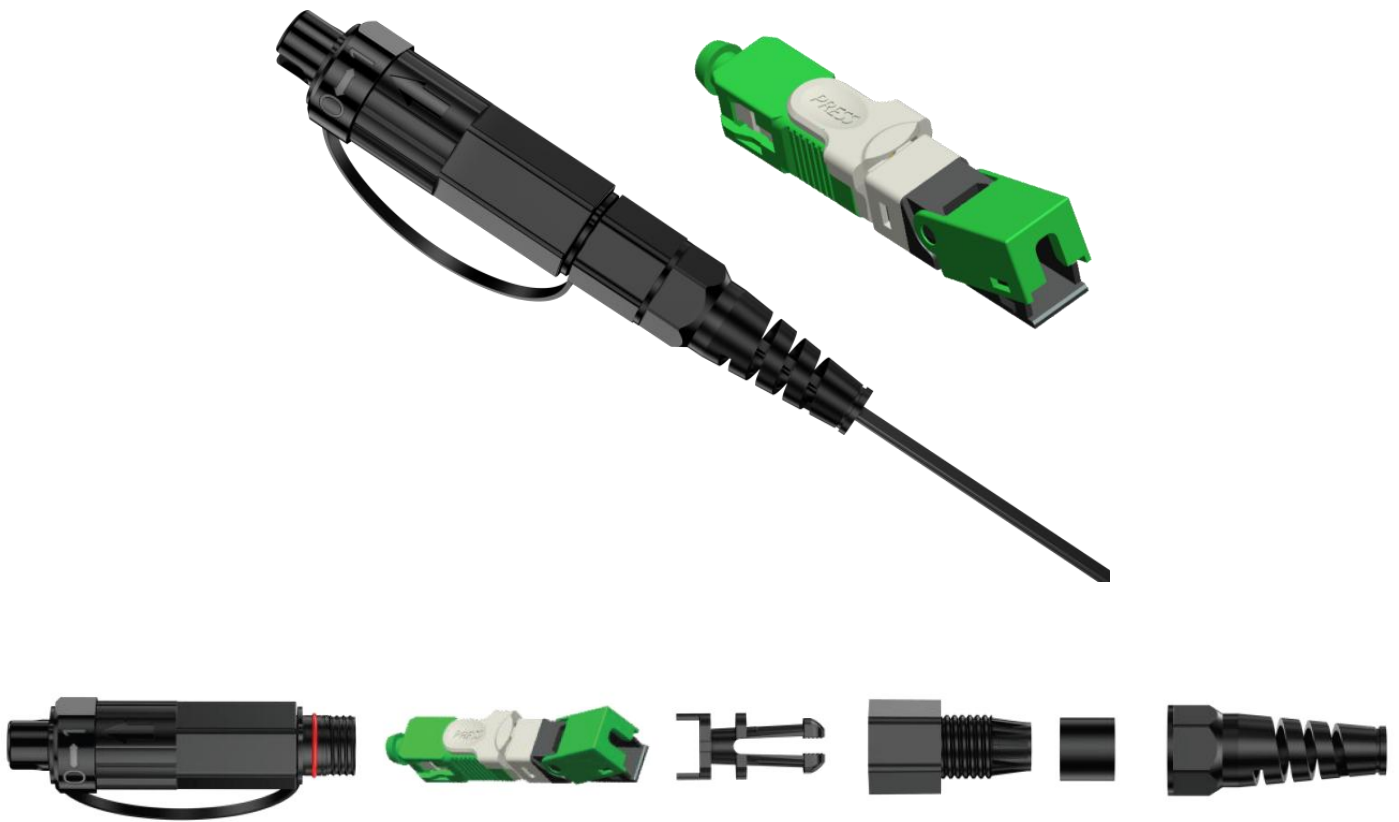# Outdoor IP68 HUAWEI FastConnect SC / APC

Field Assembly Optical Connector

- For FTTx Solution

Product Description

This kind of IP68 FastConnect SC / APC Field Assembly Optical Connector is design for Telefonica, VIVO and Claro, which compatible with Huawei system, the waterproof adapter kit is compatible with 4 kind of telefonica FAC fast connectors (Include ESC250D, Sumitomo, Fujikura and Furukawa fast connector). Can be used for 2.0*3.0 / 2.0*5.0mm flat drop cable.

Keyed Characteristics

✔ Waterproof level: IP68;

✔ Compatible with ESC250D, Sumitomo, Fujikura and Furukawa fast connector;

✔ Fully compatible with Huawei System connection with FastConnect Harden Adapter;

✔ Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices;

✔ Low insert loss and high return loss;

✔ High mechanical strength performance;

✔ PEI material, Acid and alkali resistance, Ultraviolet resistance;

✔ Outdoor use, 20-year service life.

Application

✔ FTTX Solution and quick maintain for FTTH Network.

✔ Outdoor harsh environment.

Technical Parameter

Item Name	IP68 FastConnect SC / APC Field Assembly Optical Connector
Cable OD.	2.0*5.0mm outdoor flat drop cable
Product Size	51*9*7.55mm
Coating Diameter	250±5μm
Fiber Mode	Single-mode, 9/125μm, OS2
Insertion Loss	≤ 0.3dB(1310nm & 1550nm)
Return Loss	≤ -50dB for UPC, ≤ 55dB for APC
Reusable Times	>5 times
Tighten Strength of Naked Fiber	>5 N
Tensile Strength Drop Flat Cable	>30 N
Tensile Strength Drop Round Cable	>100 N
On-line Tensile Strength Test (20 N)	IL ≤ 0.3dB
Mechanical Durability (500 times)	IL ≤ 0.3dB
Operating Temperature (℃)	-40 ~+85

Packing Details

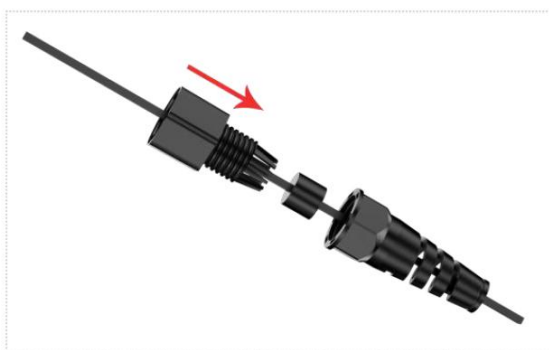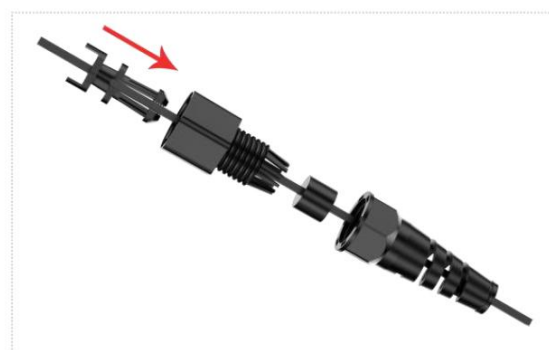|	Size (cm)	25cm*25cm*13cm
	QTY (Pcs/Box)	50
	Net Weight (kg/Box)	3.2kg

How to installation
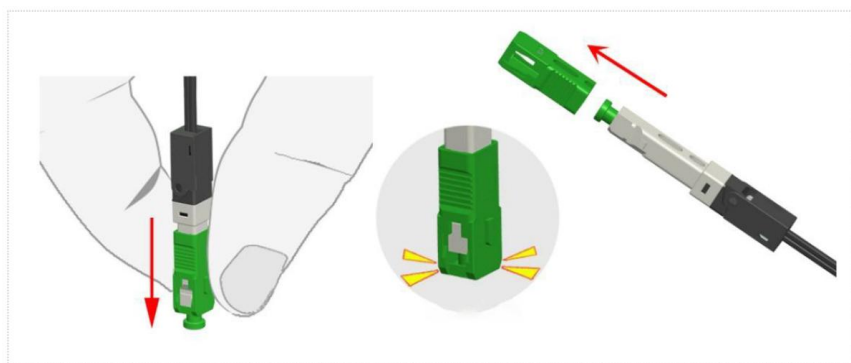
Step 1: Insert the boot.

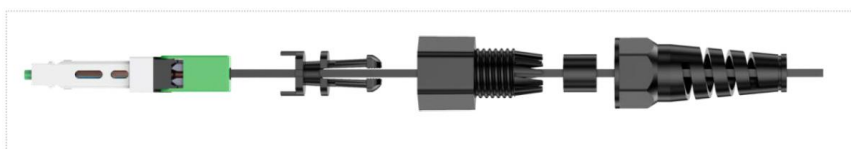Step 2: Insert the silicone rubber ring.

Step 3: Put on the lockdown cap.

Step 4: Put on the cable clip.

Step 4: Refer to ESC250D, install the SC/APC field assembly connector

Step 5: Disassemble the shell, and the sequence after installation is as shown above.

Step 6: Align the arrow of the quick connector with the indicator window of the main body (yellow at the triangular notch Circled) Insert the quick connector to the limit.

Step 7: Push up the cable clip.

Step 8: Screw tight the lockdown cap.

Step 9: Insert the silicone ring into the end of the lockdown cap.

Step 10: Tighten the boot, and the assembly is complete.

⚠️ **Dis-assembly Steps**

Disassemble from 1 to 6 in the sequence shown in the figure below, and refer to the connector disassembly sequence for quick connectors.