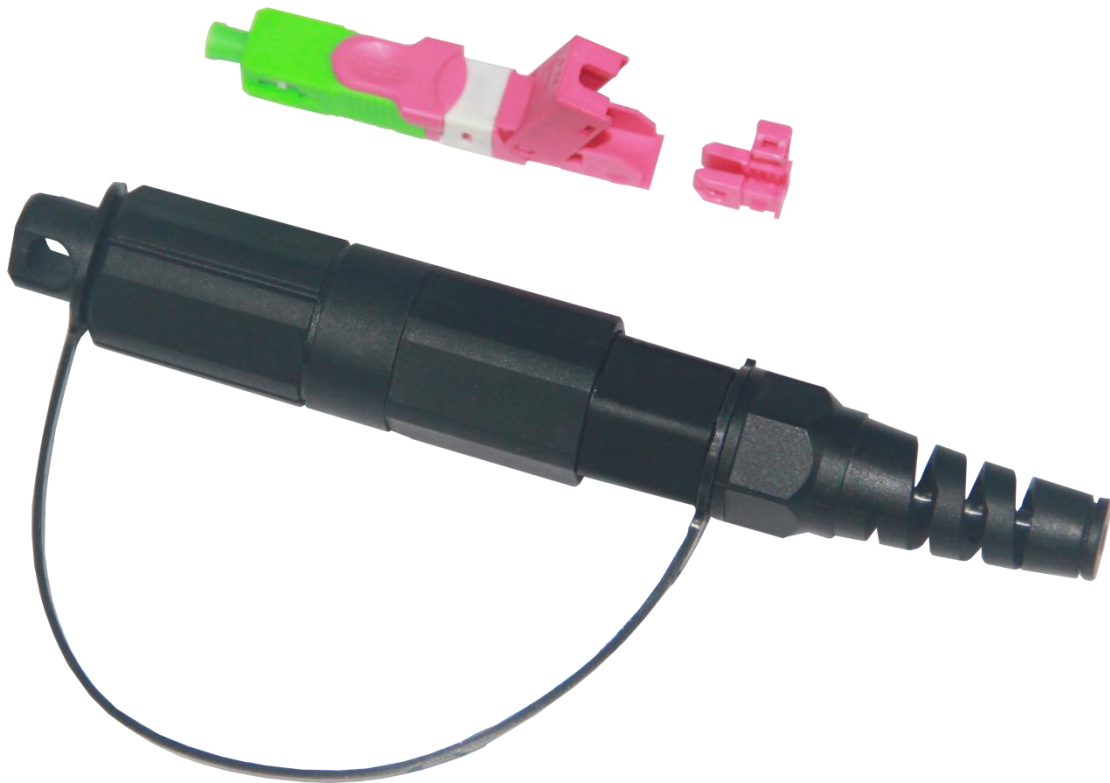


# DATASHEET

## **Outdoor IP68 CORNING OptiTap SC / APC Field Assembly Optical Connector**

*- For FTTx Solution*



### **Product Description**

This kind of IP68 OptiTap SC / APC Field Assembly Optical Connector is design for Telefonica, VIVO and Claro, which compatible with Corning 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 and 3.0 / 5.0mm round drop cable..

## Keyed Characteristics

- ✓ Waterproof level: IP68;
- ✓ Compatible with ESC250D, Sumitomo, Fujikura and Furukawa fast connector;
- ✓ Fully compatible with Corning System connection with Corning OptiTap 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.

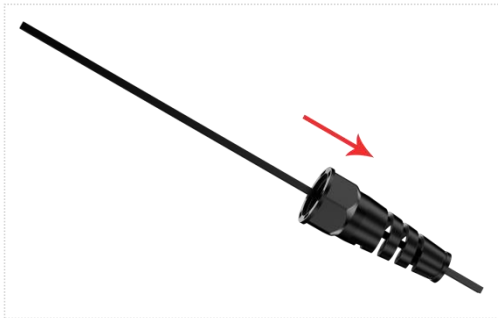
## Technical Parameter

Item Name	IP68 OptiTap SC / APC Field Assembly Optical Connector
Cable OD.	2.0*5.0mm outdoor flat drop cable and 3.0/5.0mm round 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 (°C)	-40 ~+85

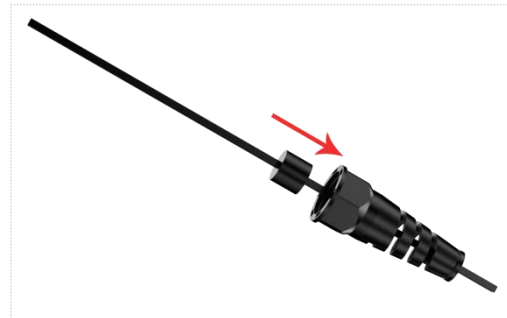
## Packing Details

	Size (cm)	25cm*25cm*13cm
	QTY (pcs/box)	50
	Net Weight (kg/box)	2.6

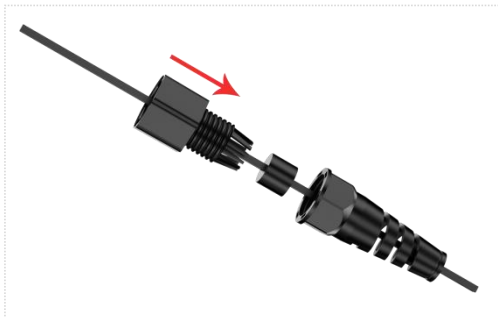
## How to installation



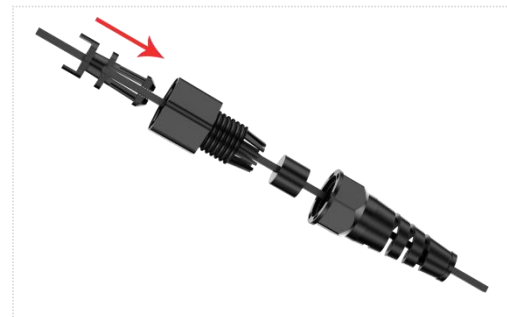
Step 1: Insert the boot



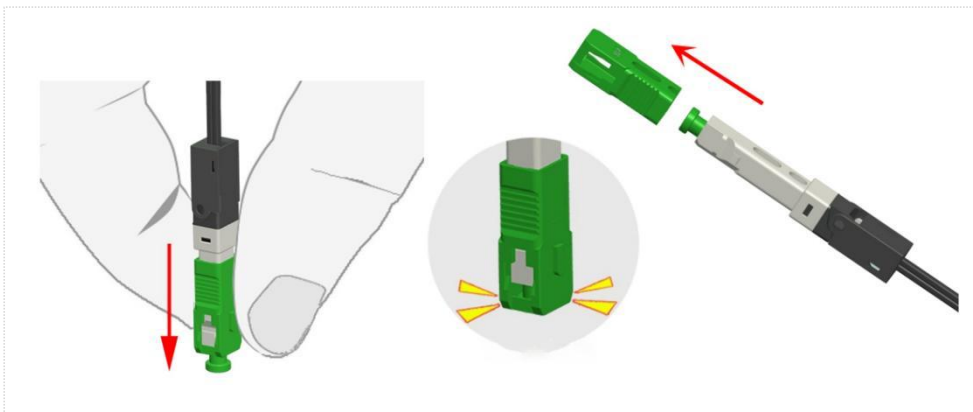
Step 2: Insert the silicone rubber ring



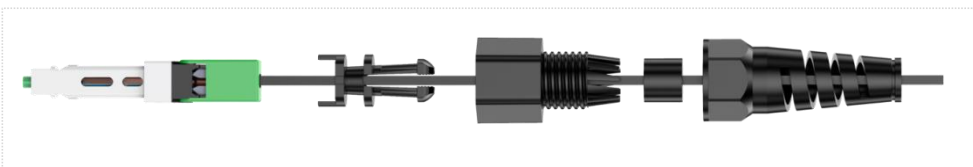
Step 3: Put on the lockdown cap



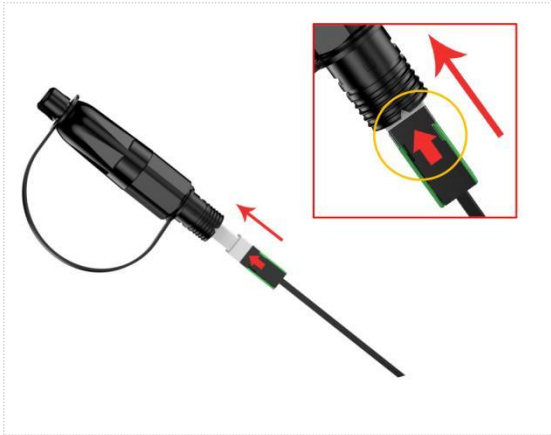
Step 4: Put on the cable clip



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.

