



CROSS CONNECTING CABINET TECHNICAL

AR-FCC-xxF SERIE C



1. GENERAL

1.1 Description

AR-FCC-xxF Serie C Cross Connecting Cabinet for Communication Optical Cable is interface devices for the junction of trunk optical cable and distribution cable on the optical transmission network, used to implement the cable fixed and protection, optical fiber splicing and termination, optical fiber routing allocation and scheduling, internal equipment protection and other value-added module installed etc.

Products with modular design, optimized cable management system can achieve cross-connecting or interconnecting of trunk cable and distribution cable, and through connection between trunk cables.

Production type	Classification
AR-FCC-xxF SERIE C	Fiber optic cross connecting cabinet

1.2 Standards Comply

The provisions in following documents become the provisions of these specifications though quotation.

For dated reference, subsequent amendments (excluding Corrigendum contents) or revisions do not apply to this standard, however, encourage the latest version of this specification according to the parties reach an agreement whether can use these files. For documents without date, its latest edition is suitable for this standard.

UL 94, Test for Flammability of Plastic Materials for Parts in Devices and Appliances.

IEC 60529, Degrees of protection provided by enclosures.

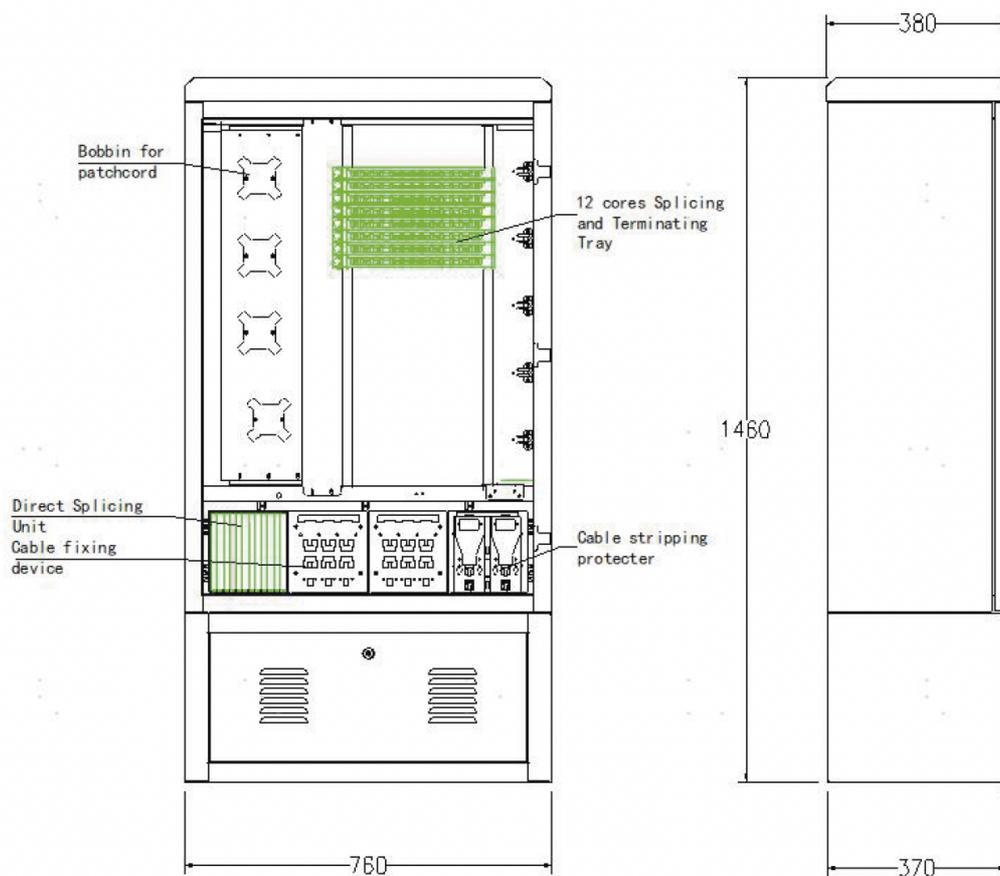
1.3 Applications Environment

Item	Value
Operation temperature	-40 °C~+60 °C
Installation temperature	-15 °C~+40 °C
Storage temperature	-45 °C~+65 °C

2. CHARACTERISTIC

1. Double-layer stainless steel casing, ensure reliable outdoor protection performance and excellent corrosion resistance& anti-aging ability.
2. Good insulation properties , effectively preventing condensation.
3. Three point lock, hinge built-in, effective destruction-proof.
4. IP Grade:IP65.
5. Tray type terminating unit, modular design, convenient installation and expansion.
6. Reliable cable introducing and protection device, suitable for ribbon and bunch cable.
7. Universal adapter plug-in fits a variety of adapters such as SC, FC, LC, etc.
8. Adapter inclined arrangement, avoid laser burns eyes.
9. Reasonable fiber routing, ensure fiber bend radius larger than 37.5mm at any position.

3. STRUCTURE AND DIMENSIONS



Structure and dimensions of AR-FCC-xxF serie C - Cross Connecting Cabinet

4. OPTICAL AND ELECTRICS PROPERTY

1. Nominal operating wavelength: 850nm, 1310nm, 1550nm.
2. Insertion loss (dB): ≤ 0.2 dB.
3. Return loss (dB): PC type ≥ 45 dB, UPC type ≥ 50 dB, APC type ≥ 60 dB.
4. Connector Life: After 1000 mating cycles, the insertion loss variation < 0.1 dB.
5. Insulation resistance: not less than $2 \times 10^4 \text{ M } \Omega / 500 \text{ V (DC)}$.
6. Withstand Voltage: not less than 3000V (DC) / 1min.

5. MECHANICAL PROPERTIES

1. Mechanical strength: Each surface to withstand vertical pressure > 980 N; the outermost end of the open door to withstand vertical pressure > 200 N.
2. Durability of adapter: > 1000 times.

6. MATERIAL OF COMPONENTS

1. Double-layer stainless steel.
2. Internal components made of high quality cold-rolled steel.
3. Non-metallic parts: Flame retardant ABS.

7. PACKAGE

1. Using carton or wooden packaging for a variety of transportation service.
2. Storage temperature $-30 \text{ }^\circ\text{C} \sim +55 \text{ }^\circ\text{C}$, humidity $\leq 90\%$ ($+30 \text{ }^\circ\text{C}$).
3. Storage precautions: warehouse air acidic, alkaline or other harmful gases, shall comply with environmental requirement.