

2 Cores FTTH Drop Mini Outdoor-rated Fiber Optical Closure

- For FTTA Solution



Product Overview

This kind of 2 Cores FTTH Drop Mini Outdoor-rated Fiber Optical Closure from **CHINA ARTIC** design and manufacturing, it typically refers to a compact, environmentally sealed enclosure designed to protect fiber optic splices and terminations for FTTH (Fiber to the Home) drop cables with 2 cores. These closures are essential for ensuring reliable and durable connections in outdoor environments.

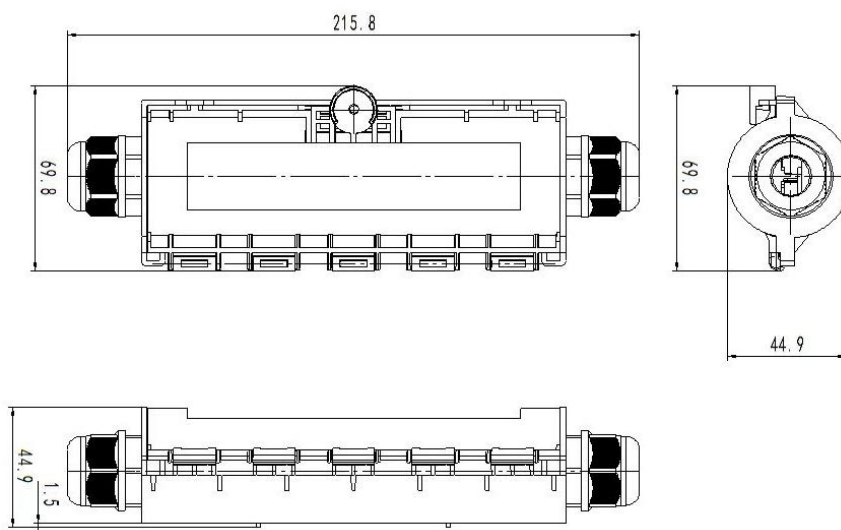
✓ **Function:** These closures are used to protect fiber optic splices and connections in FTTH networks, particularly where drop cables (often with 2 cores) are connected to distribution cables or where splices are needed in the last mile of the network.

✓ **Use Cases:** They are suitable for outdoor environments such as aerial (mounted on poles), underground (buried), pipeline, or wall-mounted installations. Their compact size makes them ideal for space-constrained applications.

Keyed Characteristics

- ✓ **Compact Design:** Mini closures are designed to be small and lightweight, accommodating limited fiber counts (e.g., 2 cores) while providing robust protection.
- ✓ **Outdoor Rating:** They are built to withstand harsh environmental conditions, with features like:
 - ✓ **IP68 Protection:** Ensures dust-tight and waterproof performance, even when submerged.
 - ✓ **Weather Resistance:** Materials like high-strength PC (polycarbonate) or PPR (likely a typo; may refer to polypropylene or similar) are used to resist UV radiation, temperature fluctuations (-40°C to +65°C), and physical impacts.
- ✓ **Sealing Method:** Many use mechanical sealing (e.g., elastomer seals or gel-based sealing) for easy re-entry and maintenance while maintaining reliability.
- ✓ **Installation Flexibility:** They support various installation methods, including aerial, buried, duct, and wall-mounted, without requiring special tools.
- ✓ **Compatible with fiber, twisted pair, coaxial and other low voltage cables.**

Product Diagram



Specification

Feature	Description
Core Capacity	Typically designed for 2 cores (part of larger systems up to 48 cores) .
Protection Rating	IP68 (dust-tight and waterproof)
Installation Methods	Aerial, buried, duct, wall-mounted
Sealing Method	Mechanical sealing (elastomer or gel) for re-entry
Material	High-strength PC or PPR plastic
Temperature Range	-40°C to +65°C
Compatible Cables	FTTH drop cables (e.g., figure-8, self-supporting) with G.657 fibers

Application

- ✓ Installation and Maintenance
- ✓ Ease of Use: Designed for quick installation and re-entry, with features like:
 - ✓ Tool-less or minimal-tool access.
 - ✓ Modular splice trays that can be easily added or removed.
- ✓ Reusability: Some closures feature patented sealing mechanisms that allow repeated opening and closing without compromising performance.
- ✓ Application: These closures are used to protect fiber optic splices and connections in FTTH networks, particularly where drop cables (often with 2 cores) are connected to distribution cables or where splices are needed in the last mile of the network.



Aerial



Pole Mount



Burial