



# FIBER OPTIC JOINT ENCLOSURE

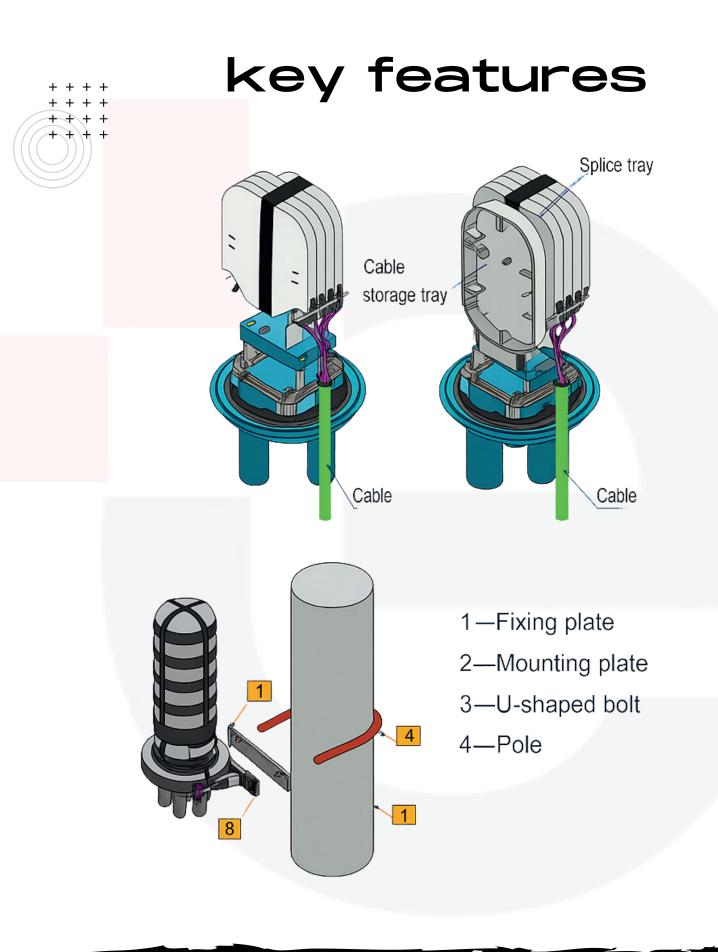
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# **JOINT E. OVERVIEW**



# **KEY FEATURES:**

- Secure & Weatherproof Design
- ➡ High-Density Splice Capacity (6F to 96F)
- Mechanical or Heat-Shrink Sealing Options
- Impact-Resistant, UV-Stable Housing
- Easy Installation on Wall, Pole, or Duct

Our fiber optic joint enclosures offer reliable and long-lasting protection for fiber cable splicing in both underground and aerial installations. Built for high-performance network environments, these ensure fiber secure management, sealing, environmental and compatibility multiple with cable entry configurationsmaking them ideal for FTTH, backbone, and access networks.

# WHY CHOOSE ECOMTELCO Joint Enclosures?

- Multiple models to fit varied splice capacities & cable types
- Field-proven performance in harsh outdoor conditions
- Ready-to-use kits with splice trays, seals & mounting accessories



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#### **HIGHLIGHTS:**

- Allows easy installation and handling
- Protects against environmental and mechanical stress
- Mechanical sealing requires no heat or adhesives
- Long-lasting durability for extended field use

## 6F JOINT ENCLOSURE -MECHANICAL | 6 FIBER

A compact and robust fiber optic joint enclosure designed to house up to 6 fiber splices. Built for reliability and weather resistance, this enclosure is perfect for small-scale deployments in telecom, broadband, and railway networks. Its mechanical sealing and durable polymer body ensure secure splicing, even in challenging outdoor environments.

#### **KEY SPECIFICATIONS:**

- Capacity for up to 6 fiber splices
- Constructed from high-grade weather-resistant polymer
- IP65-rated for dust and water protection
- Operates in temperatures from –40°C to +70°C
- Suitable for aerial, duct, or direct-burial applications
- Equipped with two cable ports for inlet and outlet
- Integrated fiber management tray for organized splicing

# 12F JOINT ENCLOSURE -MECHANICAL | 12 FIBER

The 12F Joint Enclosure is a compact and reliable fiber splice closure designed to accommodate up to 12 fiber splices. Engineered for small to mid-scale network deployments, it provides secure protection for fiber joints in aerial, duct, or underground installations. Built from UV-resistant materials and sealed for water and dust ingress, this enclosure ensures long-lasting performance in telecom, railway, and FTTH networks.

#### **KEY SPECIFICATIONS:**

- Capacity: Up to 12 fiber splices
- Closure Type: Mechanical (no heat shrink required)
- Material: High-grade plastic/polymer body
- Protection Level: IP65 or higher
- Cable Entry Ports: 2 (inlet + outlet)
- Installation: Aerial, duct, or underground
- UV Resistance: Yes
- Operating Temperature: -40°C to +70°C



#### **HIGHLIGHTS:**

- Compact design ideal for limited-space applications
- Weatherproof and UV-resistant for outdoor reliability
- Quick mechanical sealing with easy re-entry
- Maintains fiber bend radius and signal integrity
- Suitable for telecom, FTTH, and railway projects



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#### **HIGHLIGHTS:**

- Medium-duty design with added cable space
- UV stabilized for long-term outdoor exposure
- Corrugated exterior with crush resistance
- Smooth internal lining for hassle-free cable pull
- Durable, maintenance-free performance

## 24F JOINT ENCLOSURE -MECHANICAL | 24 FIBER

The 24F Joint Enclosure is a heavy-duty fiber optic splice closure designed to protect up to 24 fiber splices in telecom, FTTH, railway, and industrial networks. It features a mechanical sealing system that eliminates the need for heat shrink or adhesives, offering quick installation and long-term reliability in both underground and aerial applications. Its rugged construction ensures dependable performance in harsh environments.

#### **KEY SPECIFICATIONS:**

- Accommodates up to 24 fiber splices
- Constructed with durable plastic and metal housing
- Mechanical sealing system for tool-free closure
- Suitable for both aerial and underground installations
- UV-resistant and impact-resistant body
- Compatible with multiple cable types and splice methods

# 48F JOINT ENCLOSURE -MECHANICAL | 48 FIBER

This is a high-capacity fiber optic splice closure engineered to protect up to 48 fiber splices in telecom, FTTH, railway, and industrial environments. It features a mechanical sealing mechanism that eliminates the need for heat shrink or adhesives, ensuring fast, secure, and reliable installation. Built with a rugged body and IP68-rated sealing, it offers long-lasting protection in both aerial and underground applications.

#### **KEY SPECIFICATIONS:**

- Supports up to 48 fiber splices
- Constructed from high-strength plastic and metal
- Sealing type: mechanical (no heat shrink required)
- IP68-rated for waterproof and dustproof protection
- Suitable for aerial, duct, and underground installations
- UV-resistant and impact-resistant material
- Operating temperature range supports harsh conditions



#### **HIGHLIGHTS:**

- · Reliable fiber protection for high-density networks
- Quick mechanical sealing for easy field installation
- Durable housing for outdoor and industrial use
- Maintains fiber integrity and minimizes signal loss
- Ideal for telecom, railway, FTTH, and automation systems





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#### **HIGHLIGHTS:**

- High-capacity design for dense fiber networks
- Durable, weather-resistant body for harsh conditions
- Secure sealing to prevent moisture and dust
- Efficient fiber organization and routing
- Ideal for telecom, FTTH, and railway applications

## 96F JOINT ENCLOSURE -MECHANICAL | 96 FIBER

The 96F Joint Enclosure is a high-density mechanical fiber splice closure designed to protect up to 96 fiber splices in demanding environments. Built for telecom, railway, and broadband networks, it ensures superior protection against water, dust, and UV exposure. With integrated fiber management and multiple cable entry options, it is ideal for underground, aerial, and duct installations in backbone and distribution networks.

#### **KEY SPECIFICATIONS:**

- Supports up to 96 fiber splices
- Mechanical closure with easy open/close design
- Built from high-grade ABS and polycarbonate
- IP68-rated for water, dust, and UV resistance
- Rubber grommet and clamp sealing system
- Typically 4–6 cable ports (customizable)
- Integrated splice trays and fiber routing system
- Suitable for aerial, duct, and underground installations







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