

# Optical Closures / Optical Cabinet

## Optical Closures / Optical Cabinet

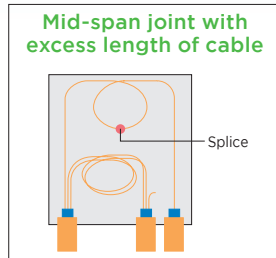
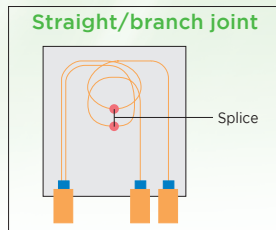
### Optical Closure (for Underground / Pole Mount / Wall Mount)

#### [GP4-224]/ [GP4-212]

- Dome type, compact in size suitable for hand hole
- Can accommodate drop cable (option)
- Re-usable sealing system allows re-assembly without additional material
- Easy to open/close cover with buckle fastener



\* Example of use : The product does not include cables or cords.



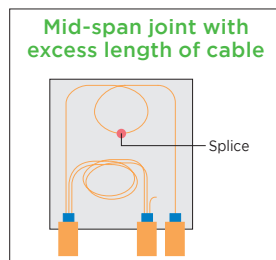
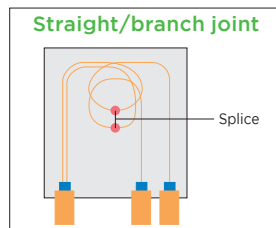
Product name		GP4-224		GP4-212	
Installation		Underground or Wall / Pole mount			
Joint type		Straight / branch joint	Mid-span joint with excess Length of cable	Straight / branch joint	Mid-span joint with excess Length of cable
Splice capacity	Single fiber (0.25mm)	144 splices (144 fibers)	96 splices (96 fibers)	96 splices (96 fibers)	72 splices (72 fibers)
	4-fiber ribbon	60 splices (240 fibers)	40 splices (160 fibers)	40 splices (160 fibers)	30 splices (120 fibers)
Number of trays		6 splice trays (24C tray)	4 splice trays (24C tray) and 1 loop tray	8 splice trays (12C tray)	6 splice trays (12C tray) and 1 loop tray
Cable entry capacity		Main:2cable, Branch:2 cables			
Applicable cable diameter		Main:φ5-12 mm or φ10-16 mm, Branch:φ8-16 mm			
Operating temperature		-20~+60 °C			
IP Code		IP68			
Dimensions		205(W)×155(D)×275(H) mm			
Weight		Approx. 3.0 kg			

#### [GP4-424] / [GP4-412]

- Compact and light weight closure
- 96f single splice capacity for GP4-424, 72f single splice capacity for GP4-412
- Capacity for 2 main cables and max. 4 branch joint or 16 round type drop cables, or 32 flat type drop cables
- Easy cable sealing with reusable mechanical sealing system
- Easy mounting on and removal from pole or wall with snap on mounting kit



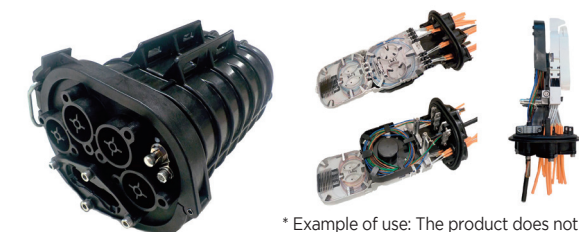
\* Example of use: The product does not include cables or cords.



Product name		GP4-424	GP4-412
Installation		Underground or Wall / Pole mount	
Splice capacity (Single fiber)		96 fibers	72 fibers
Number of splice per tray		24 splices	12 splices
Cable entry capacity		Main 2 cables, Branch 4 cables or 16 round drop cables or 32 flat drop cables	
Applicable cable diameter		Main Cable φ5-12 mm or φ10-16 mm, Branch cable φ8-20 mm Round Drop φ3.5-7.5 mm, Flat Drop 1.8-2.5x 3.0-4.5 mm	
Operating temperature		-20 - +60 °C	
IP rating		IP68	
Dimension		205(W)X155(D)X275(H) mm	
Weight		Approx. 3.0 kg	

#### [GP4-424 NDC]

- ISP/OSP demarcation design by color coded tray system
- Compact and light weight closure
- Capacity for 2 main cables and max. 16 round type drop cables or max. 32 flat type drop cables
- Seamless work from drop cable installation, to drop fiber splicing by interconnected optical splitter mountable drop tray and splicing tray
- Easy and quick drop cable fixing system with newly developed cassette style drop cable retainer



\* Example of use: The product does not include cables or cords.

Product name		GP4-424 NDC
Installation		Underground or Wall / Pole mount
Splice capacity (Single fiber)		Max. 48 fibers (Max. 24 fibers per side)
Capacity of optical splitter		1X8: 3pcs, 1X16: 3pcs
Cable entry capacity		Main 2 cable, Round Drop 16, Flat Drop 32
Applicable cable diameter		Main Cable φ5-12 mm or φ10-16 mm, Round Drop φ3.5-7.5 mm, Flat Drop 1.8-2.5x 3.0-4.5 mm
Operating temperature		-20 - +60 °C
IP rating		IP68
Dimension		205(W)X155(D)X275(H) mm
Weight		Approx. 3.0 kg

# Optical Closures / Optical Cabinet

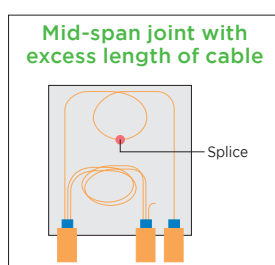
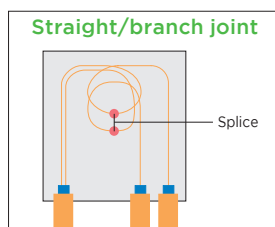
## Optical Closure (for Underground / Pole Mount / Wall Mount)

### [GP8]

- High density dome type closure with compact size
- 288f single splice capacity
- Capacity for 2 main cables and max. 6 branch joints, or 24 round type drop cables, or 48 flat type drop cables
- Easy cable sealing with reusable mechanical sealing system
- Easy mounting on and removal from pole or wall with snap on mounting kit



\* Example of use: The product does not include cables or cords.



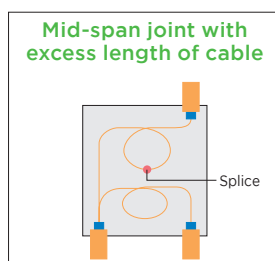
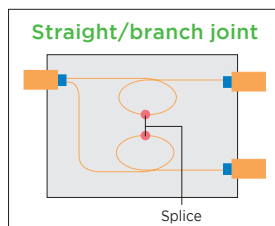
Product name	GP8	
Installation	Underground or Wall / Pole mount	
Applicable fiber	Single fiber	12-fiber Freeform Ribbon™
Splice capacity	288 fibers	250 μm:864 fibers 200 μm:864 fibers
Number of splice per tray	24 splices per tray	6 splices (72 fibers) per tray
Cable entry capacity	Main 2 cables, Branch 6 cables or 24 round drop cables or 48 flat drop cables	
Applicable cable diameter	Main Cable $\phi$ 8-20 mm, Branch cable $\phi$ 8-20 mm Round Drop $\phi$ 3.5-7.5 mm, Flat Drop 1.8-2.5x 3.0-4.5 mm	
Operating temperature	-20 - +60 °C	
IP rating	IP68	
Dimension	280(W)X214(D)X317(H) mm	
Weight	Approx. 4.0 kg	

### [GI4]

- Compact and light weight closure
- 2 main cables, 2 branch cables capacity and 192f single splice capacity
- Accepts a wide range of cable diameters with universal grommet design
- Applicable usage for in-line (straight / branch joint) or butt end
- Easy cable sealing with reusable mechanical sealing system



\* Example of use: The product does not include cables or cords.

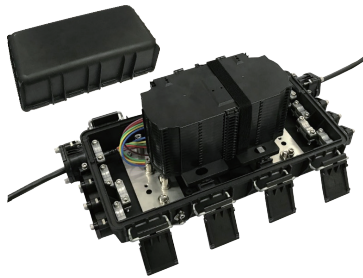


Product name	GI4	
Installation	Underground or Wall mount	
Applicable fiber	Single fiber	12-fiber Freeform Ribbon™
Splice capacity	192 fibers	432 fibers
Number of splice per tray	24 splices per tray	6 splices (72 fibers) per tray
Cable entry capacity	Main 2 cables, Branch 2 cables or 8 round drop cables or 16 flat drop cables	
Applicable cable diameter	Main Cable $\phi$ 8-20 mm, Branch cable $\phi$ 8-20 mm, Round Drop $\phi$ 3.5-7.5 mm, Flat Drop 1.8-2.5x 3.0-4.5 mm	
Operating temperature	-20 - +60 °C	
IP rating	IP68	
Dimension	225(W)X141(D)X465(H) mm	
Weight	Approx. 3.5 kg	

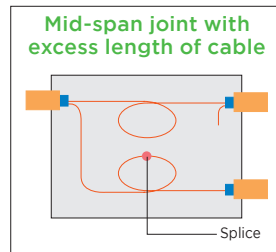
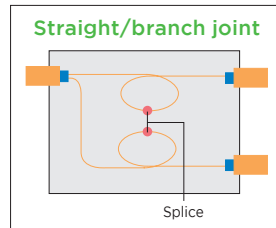
## Optical Closure (for Underground)

### [GI8s]

- High density in-line closure of compact size
- 384f single splice or max. 432f single splice capacity by changing position of tray base
- Capacity for 2 main cables and max. 6 branch joints, or 24 round type drop cables, or 48 flat type drop cables
- The latest inline closure with splittable main cable port for easy installation of high-count cable
- Single piece gasket which is independent from the cable port grommets, providing secure air and water tightness



\* Example of use : The product does not include cables or cords other than the module.



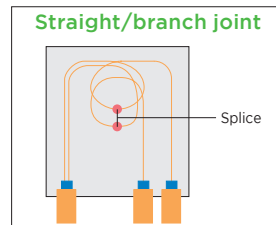
Product name	GI8s	
Installation	Underground	
Applicable fiber	Single fiber	12-fiber Freeform Ribbon™
Splice capacity	384 fibers (16 trays) / max. 432 fibers (18 trays)	720 fibers (10trays) / max. 864 fibers (12 trays)
Number of splice per tray	24 splices per tray	6 splices (72 fibers) per tray
Cable entry capacity	Main 2 cables, Branch 6 cables or 24 round drop cables or 48 flat drop cables	
Applicable cable diameter	Main Cable $\phi$ 8-24 mm, Branch cable $\phi$ 8-20 mm Round Drop $\phi$ 3.5-7.5 mm, Flat Drop 1.8-2.5x 3.0-4.5 mm	
Operating temperature	-20 - +60 °C	
IP rating	IP68	
Dimension	228(W)X517(L)X225(H) mm	
Weight	Approx. 7.5 kg	

### [GI-TN]

- High-capacity
- Suitable for high-fiber count 12-fiber ribbon cable
- Re-usable sealing system allows reassembly without additional material
- Easy to open/close cover with buckle fastener



\* Example of use: The product does not include cables or cords other than the module.



Product name	GI-TN	
Installation	Underground	
Joint type	Straight / Branch joint(option)	
Splice capacity	Single fiber (0.25mm)	288 splices (288 fibers)
	12-fiber ribbon	432 splices (5184 fibers) (Pliable Ribbon) 144 splices (1728 fibers) (Standard Ribbon)
Number of trays	24 trays	
Cable entry capacity	Main: 2 cables, Branch: 1cable	
Applicable cable diameter	Main: $\phi$ 8-35, Branch: $\phi$ 8-35 mm	
Operating temperature	-20~+60 °C	
IP Code	IP 68	
Dimensions	293(W)X246(H)X618(L) mm	
Weight	Approx. 12 kg	

## About In-line type and Dome type

Closure is categorized as In-line type or Dome type by the direction of cable entries.

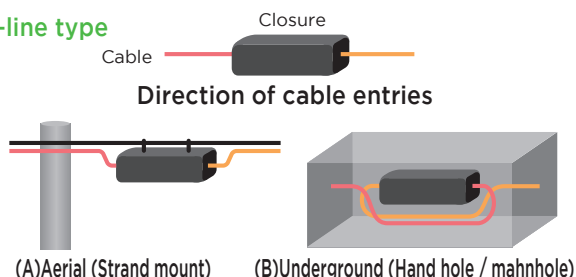
In-line type has cable entries at both sides and used for aerial or manhole (big enough to work inside).

Dome type has cable entries at one side and is used for hand hole (small and unable to work inside).

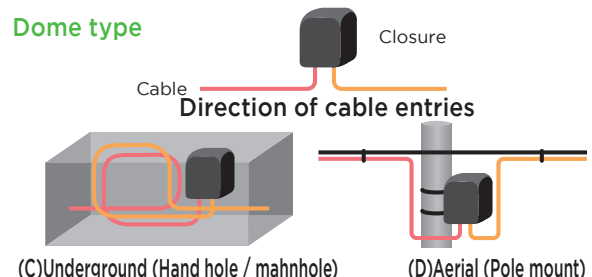
In case of installation into hand hole, joint work is done at outside, then closure and the excess length of cables are stored into handhole.

When storing closure, In-line type needs larger space than Dome type because it has Cable slacks at both sides.

### In-line type



### Dome type

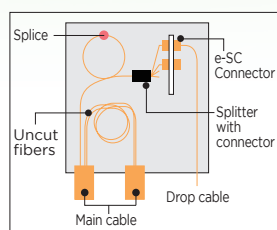


# Optical Closures / Optical Cabinet

## Optical Cabinet (for Outdoor / Indoor)

### [CTB01]

- Compact and slim design to fit into limited spaces, such as inside poles or lamp posts
- Complete demarcation between Main cable and drop and/or pigtail
- Pass through fiber storage
- Wall and pole mount
- IP55 rated



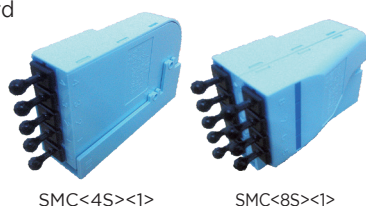
Product name		CTB01
Installation		Pole mount / Wall mount
Joint type		Straight / branch joint, Mid-span joint with excess length of cable + Connectorized splitter / FO cord
Splice capacity	Single fiber (0.25 mm)	8 splices (8 fibers)*In case of connectorized splitter / cord pre-installed, 6 splices (6 fibers)
Connector-connection capacity		8
Uncut-fiber capacity		100 fibers(250 μm single fiber)
Splitter capacity		1×4 : 2 or 1×8 : 1
Connector type		SC , LC
Cable entry capacity		Main: 2 cables, Drop: 8 cables
Applicable cable diameter		Main: φ8-12 mm, Drop: 1.8-2.5 × 3.0-4.5 mm
IP Code		IP 55
Dimensions		100(W)×190(H)×50(D) mm
Weight		Approx. 0.5 kg

\* Example of use : The product does not include cables.

## Optical Splitter Module (for Cabinet)

### SMC

- Compact size (business card size) for Cabinet.
- Installable inside the narrow space of MDF.
- Attaches to cabinet door with magnet.
- Fits in 19 inch rack (1U).



Product name	SMC (2S) (P2)	SMC (2A) (P2)	SMC (4S) (P2)	SMC (4A) (P2)	SMC (8S) (P2)	SMC (8A) (P2)
Branch	2		4		8	
Connector type	SC/SPC	SC/APC	SC/SPC	SC/APC	SC/SPC	SC/APC
Dimensions	57(W)×85(D)×28(H) mm				57(W)×85(D)×42(H) mm	

P2=0 : Without magnet  
P2=1 : With magnet