

Optical Closures

Optical Closures for Aerial	Optical Closures for Aerial FSCO-V3 Series
	Optical Closures for Aerial FSCO-AS series
	Optical Closures for Aerial Drop Connecting Case
Optical Closures for Underground	Optical Closures for Underground FSCO-HHS Series
	Optical Closures for Underground FSCO-FB/FB3 Series
	Optical Closures for Underground FSCO-TN Series



Optical Closures for Aerial FSCO-V3 Series



The FSCO-V3 closure is specifically designed for aerial applications, optimized for the construction of FTTH access facilities.

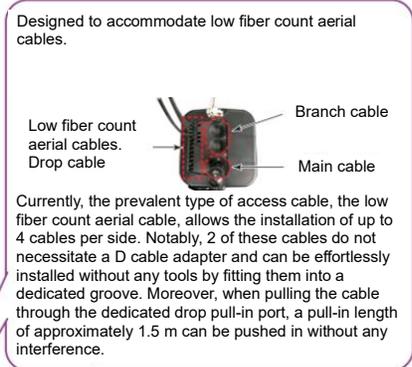
The sleeve fastening mechanism utilizes the latch method, ensuring secure closure. The cable inlet features material that eliminates the need for selecting packing size based on the cable's outer diameter, simplifying reassembly. Additionally, replacement sleeves are readily available for easy renewal.

Features

- Easy opening/closing of the sleeve
- No need for tightening torque control

Application

- Aerial, Outdoor



Physical & Mechanical Characteristics

		FSCO-V3-T5
Applicable Cable Type		SWR/WTC, Loose tube cable
Cable Capacity / Applicable Cable Dia.	Main Cable	1 set (2 pcs) / 8-22 mm
	Branch Cable	4 pcs / 8-17 mm
	Drop Cable	32 pcs / Approx. 2 x 5.3 mm (Figure-8 drop cable (*1)), Approx. 2 x 1.6 mm or 3.1 x 2 mm (Squire type outdoor cable)
Number of Splice Trays		5 trays
Fiber Capacity	Single Fiber	120 fibers (24 fibers / tray)
	12f SWR (*2)	720 fibers (144 fibers / tray)
IP Rating		IPX4 (*3)
Dimension (in approx.)		W 115 x H 115 x L 858 mm
Weight (in approx.)		3 kg
Remarks		Splitter tray and SC Adapter tray are available for optional parts

(*1) Messenger wire is fixed on outside of closure.

(*2) For 200 μm of 12f spider web ribbon fiber

(*3) JIS C 0920



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Optical Closures for Aerial Drop Connecting Case



Designed to streamline the interconnection process of drop cables, the solution serves multiple purposes.

These encompass the seamless restoration of disconnected drop cables and their effortless relocation to alternative utility poles.

Features

- Easy opening/closing

Application

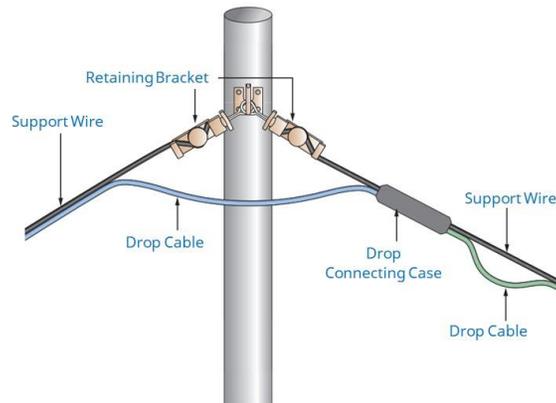
- Aerial or wall mounted, Outdoor



SC Connector Connection



Fusion Connection



Physical & Mechanical Characteristics

		FSCO-DRP
Applicable Cable Type		Figure-8 drop cable, Flat type drop/indoor cable
Cable Capacity / Applicable Cable Diameter	Figure-8 Drop Cable	1 set (2 pcs) / Approx. 2 x 5.3 mm
	Squire Type Outdoor or Indoor Cable	1 set (2 pcs) / Approx. 2 x 1.6 mm or 3.1 x 2 mm
Applicable Connection Type		Fusion splicing, SC Connector (*1) or Mechanical splice
IP Rating		IPX4 (*2)
Dimension (in approx.)		W 24 x H 33 x L 176 mm
Weight (in approx.)		0.1 kg

(*1) SC adapter is applied unflanged type

(*2) JIS C 0920



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Optical Closures for Underground FSCO-HHS Series



The cable entry section features a single-sided dome structure, ideal for use in space-constrained hand holes, as well as in manholes, telephone tunnels, and similar environments.

The closure incorporates a buckle mechanism, facilitating effortless assembly and disassembly while accommodating SWR™/WTC™ and loose tube cables.

Furthermore, the cable entry section can accommodate up to eight cables, comprising one set of main cables (two pieces) and six branching cables, ensuring versatile connectivity options.

Features

- Compact, high-density
- Easy opening/closing of the sleeve
- No need for tightening torque control

Application

- Underground, Outdoor
- Handhole, Manhole

The pot-shaped closure design not only minimizes the storage footprint within the handhole but also enhances storage efficiency through the synergistic combination of SWR™&WTC™ technologies.

[mm]

When paired with ground connection support hardware, this product facilitates easy connectivity even in compact handholes. The HHS closure mounting hardware is utilized to securely attach the ground connection support, ensuring a reliable and robust connection.

(Mount image)

Fixing band Bracket

HHS Closure Mounting Hardware

Workability Improvement

• The branch boat features a knockout structure, allowing for easy drilling with a single hex wrench when output is not utilized, the need for blocking is eliminated, streamlining the construction process.



• By employing a technique that involves compressing the sheath using pressing plates on both sides, tightening torque control is unnecessary. Each cable insertion port is independently designed, significantly minimizing construction errors such as airtight leakage.



Workability Improvement

Sleeve can be easily tightened with a band buckle, and there is no need to manage the tightening torque like a band bolt screw.



Optional

• Adapter connection type



• Splitter mounted type

Physical & Mechanical Characteristics

		FSCO-HHS/BH8/OA	FSCO-HHS/BH16
Applicable Cable Type		SWR™/WTC™, Loose tube cable	
Cable Capacity / Applicable Cable Dia.	Main Cable	1 set (2 pcs) / 6-24 mm	2 pcs / 6-24 mm
	Branch Cable	6 pcs / 6-19.5 mm	6 pcs / 6-19.5 mm
Number of Splice Trays		8 trays	16 trays
Fiber Capacity	Single Fiber (*1)	96 fibers (12 fibers / tray)	192 fibers (12 fibers / tray)
	12f SWR (*2)	576 fibers (6 SWRs / tray)	1152 fibers (6 SWRs / tray)
IP Rating		IP68 (*3)	
Dimension (in approx.)		W 320 x D 280 x L 210 mm	
Weight (in approx.)		4 kg	
Remarks		Pass through fiber tray mounted	-

(*1) 250 μm, (*2) For 200 μm SWR, (*3) Waterproof 50 kPa x 1 hour



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Optical Closures for Underground FSCO-FB/FB3 Series



The cable entry section is in-line, making it ideal for use in space-constrained manholes and handholes.

The closure utilizes a band mechanism, simplifying both assembly and disassembly while providing support for SWR™/WTC™ and loose tube cables.

Moreover, the cable entry section can accommodate a maximum of six cables, including one set of main cables (two pieces) and four branching cables, ensuring efficient connectivity.

Features

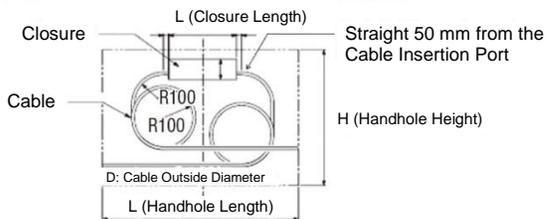
- Compact, high-density and inline type
- No need of any material for reassembly

Application

- Underground/Aerial, Outdoor
- Manhole, Handhole

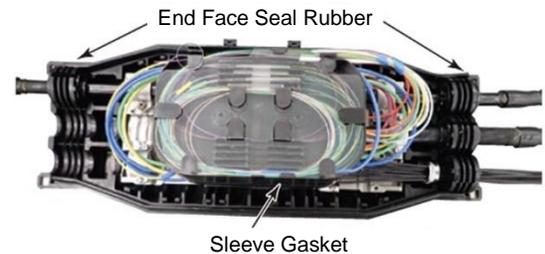
Compact

Due to the short sleeve closure, the storage space in the handhole can be minimized. Additionally, the combination of SWR™/WTC™ enhances storage efficiency.



No Need of Any Materials for Reassembly

Employing non-adhesive low-hardness rubber for the sleeve gasket and the end seal rubber eliminates reassembly material for serviceability.



Physical & Mechanical Characteristics

		FSCO-FB/BH6	FSCO-FB3/BH8
Applicable Cable Type		SWR™/WTC™, Loose tube cable	
Cable Capacity / Applicable Cable Dia.	Main Cable	2 pcs / 8-21 mm	2 pcs / 8-21 mm
	Branch Cable	2 pcs / 8-21 mm	4 pcs / 8-21 mm
Number of Splice Trays		6 trays	8 trays
Fiber Capacity	Single Fiber (*1)	72 fibers (12 fibers / tray)	96 fibers (12 fibers / tray)
	12f SWR (*2)	432 fibers (72 fibers / tray)	432 fibers (72 fibers / tray) (*3)
IP Rating		IP68 (*4)	
Dimension (in approx.)		W 140 x D 126 x L 340 mm	W 158 x D 145 x L 405 mm
Weight (in approx.)		3 kg	5 kg

(*1) 250 μm fiber, (*2) For 200 μm SWR, (*3) 432 fibers is max volume of closure inside capacity for fiber wiring,

(*4) JIS C 0920, Waterproof 50 kPa x 1 hour



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Optical Closures for Underground FSCO-TN Series



The cable entry section features an in-line structure, tailored to accommodate high-count SWR™/WTC™ cables, supporting up to 3,456 fibers.

For reassembly, no additional materials are necessary, thanks to the utilization of non-adhesive, low-hardness gums for sleeve gaskets and end face seal packing. This innovation streamlines the process, eliminating the need for tightening torque control typically associated with traditional band bolts.

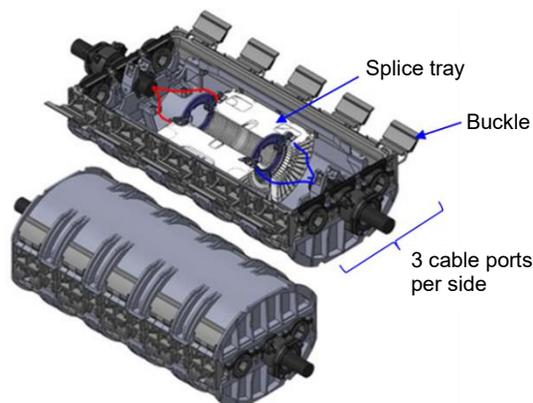
Furthermore, the cable entry section can accommodate a maximum of six cables, comprising one set of main cables (two pieces) and four branching cables, ensuring efficient connectivity.

Features

- High-density
- Easy opening/closing of the sleeve
- No need for tightening torque control

Application

- Underground, Outdoor
- Manhole



Physical & Mechanical Characteristics

		FSCO-TN-LA	FSCO-TN-HA
Applicable Cable Type		SWR™/WTC™ (*1)	
Cable Capacity / Applicable Cable Dia.		6 pcs / 8-33 mm	
Number of Splice Trays		12 trays	24 trays
Fiber Capacity	12f SWR (*2)	1,728 fibers (144 fibers / tray)	3,456 fibers (144 fibers / tray)
IP Rating		IP68 (*3)	
Dimension (in approx.)		H 180 x W 300 x L 730 mm	H 250 x W 300 x L 730 mm
Weight (in approx.)		10 kg	11 kg

(*1) Please contact us for installation of another type cable, (*2) For 200 μm of 12f spider web ribbon fiber,

(*3) JIS C 0920, Waterproof 39.2 kPa x 1 hour



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