



Fiber Splicing Closure

- Inline
- Dome
- Connectorized

Fiber Termination Box

- Outdoor
- Indoor



Fiber Distribution Frame

- Rack mounted Swing
- Rack mounted Fixed
- Wall mounted

Fiber Optic Accessories

- Optical Patch cords & Pigtail
- PLC Splitter
- Optical Fiber Adaptor & Attenuator
- Connector for last mile
- Splicing Tool
- Others



OFC-IB









Description

It protects fiber optic splicing joint in various installation conditions such as wires, manhole, ducts and direct buried. It is specially designed for FTTH network and applicable to multi branching installation meeting the requirements in each points of network. In addition, it provides with easy and reliable installation and high mechanical strength against any environmental condition.

Features

- In-Line, Bolt-In Type, IP 68
- Holding from 4 to 288 fiber splices
- Allowing both fusion and mechanical splicing
- Fitted to buried, underground and aerial applications
- Simple re-entry system with bolt-in mechanism
- Self-stacking hinged tray with modular splice holder
- Instant on-site repair and restoration with stability

Model No (RAB series)	Splicing capacity	No. of Cable port	No of Tray	Cable Dia (Main/Drop)	Application	IP grade
OFC-IB04	4	2	1	8/3.5		
OFC-IB08	8	4	1	8-10/3.5		
OFC-IB12	12	4	1	8-10/3	Aerial,	
OFC-IB24	24	4	4	8-14/3.5-8		
OFC-IB48	48	6	4	15-17/3	Direct Buried	IP68
OFC-IB60	60	6	5	6-16 / 3.5-8	Underground	
OFC-IB72	72	6	4	18-20/3		
OFC-IB144	144	8	6	8-24/3.5-8	5-8	
OFC-IB288	288	6	6	32-34 / 6.5		

IP68

OFC-IL







Description

It Provides fast and easy no-cost re-entry by using plastic clips that have high mechanical and environmental characteristics and also provides reliable sealing performance. With its six entry ports, the closure is applicable to inline or mid span branching method. This closure has high mechanical strength against any environmental conditions. With this closure, you can improve your network system to the higher level.

Features

- IP 68 satisfied
- For direct buried, underground, and aerial applications
- Allowing fusion splices
- Boltless latch lock for convenient re-entry
- 4-8 cable ports to accommodate up to Ø17-29mm
- Weather-tight grommets
- Easy to retain excess fibers and cables

Model No.	Splicing capacity	No. of Cable port	No of Tray	Cable Dia (Main/Drop)	Application	IP grade
OFC-IL12	12	4	1	3-16mm		IP68
OFC-IL36	36	8	3	3-16mm		
OFC-IL48	24	4	2	3-17mm	Aerial, Direct Buired	
OFC-IL72	72	6	3	3-16mm	Underground	
OFC-IL96	96	6	4	3-17mm		
OFC-IL144	144	6	6	6-29mm		

IP68

OFC-DH







Description

Fiber Optic Splice Closure for Dome Type protects fiber optic cable and provides with fast and easy re-entry working. Aerial, manhole, ducts, wall, and pole installation are available and it provides with reliable sealing performance protected by a ribbed dome cover made of Polypropylene that has high mechanical and environmental features. with its 6~8ports, It is applicable for midspan branching method.

Features

- Dome configuration, IP 68
- Holding 144 to 600 fiber splices
- Allowing both fusion splicing
- Fitted to buried, underground and aerial applications
- Simple re-entry system with O-ring clamp mechanism
- No additional tools required

Model No (RXA series)	Splicing capacity	No. of Cable port	No of Tray	Cable Dia (Main/Drop)	Application	IP grade
OFC-DH48	48	6(2/4)	6	8-22mm		
OFC-DH96	96	6(2/4)	4	8-24mm	Aerial,	
OFC-DH144	144	9(1/8)	12	8-28mm	Direct Buried Underground	IP68
OFC-DH288	288	7(1/6)	12	8-29mm	Pole	
OFC-DH600	600	7(1/6)	10	8-29mm		



OFC-DU







Description

Fiber Optic Splice Closure for Dome Type protects fiber optic cable and provides with fast and easy re-entry working. Aerial, manhole, ducts, wall, and pole installation are available and it provides with reliable sealing performance protected by a ribbed dome cover made of Polypropylene that has high mechanical and environmental features. It is applicable for midspan branching method.

Features

- Dome configuration, IP 68
- Holding 48 to 672 fiber splices
- Allowing both fusion splicing
- Cable sealing Heat shrink / Mechanical
- Many different types of splice tray as option
- Fitted to buried, underground and aerial applications
- Simple re-entry system with O-ring clamp mechanism
- No additional tools required

* Changeable Lower part





Heat shrink

Mechanical

Model No.	Splicing capacity	No. of Cable port	No of Tray	Cable Dia (Main/Drop)	Application	IP grade
OFC-DU144	144	10(1/9)	12-24	8-22mm	Aerial	
OFC-DU360	360	10(1/9)	30-60	8-22mm	Pole	IP68
OFC-DU648	648	10(1/9)	54-108	8-22mm	Underground Direct buried	
OFC-DU672FA	672	17(1/16)	56-112	6-30mm	Direct buried	

IP68

OFC -CN







The Cross-Connect Closure was designed for applications requiring connectorization or cross connecting in the outside plant network. Additionally, the Cross-Connect Closure was configured to allow for convenient and safe storage of uncut buffer tubes in the feeder cable, while providing individual connectivity to the fibers of the drop cables.

Model No.	Splicing capacity	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OFC-CN08	12	4	8	3.5-14mm		
OFC-CN12	24	4	12	3.5-20mm	Aerial	IP68
OFC-CN16	24	6	16	3-19mm	Underground	
OFC-CN24	24	8	24	3.5-20mm	Pole	
OFC-CN32	24	6	32	3-20mm		

OFC -TA









Model No. (RXD series)	Splicing capacity	No. of Cable port	No. of Connecti on	Cable Dia (Main/Drop)	Application	IP grade
OFC-TA08	72	3	8	3.5-13mm	Aerial	IP 65
OFC-TA16	24	3	16	3-19mm	Pole	IP 03



OFC-BC







Description

Horizontal fiber optic joint closure, the advantage of this product is "plug and play". Fast response for new subscribers. Equipped with splice tray protection cover to distinguish between splice zone and distribution zone, keeping them apart. This product adopts mechanical seal.

Features

- 1 port for uncut cable $\Phi10^{17.5}$ mm, 1 branch port for $\Phi10 \sim 17.5$ mm cable. 16 ports for outlet cables(applicable for 2*3mm soft cable or $\Phi3^{8}$ mm round cable).
- Capacity: 24F per tray, could be installed with 4 trays, max capacity is 96F.
- Protection grade: IP68. Mechanical seal.
- Installation method: Wall-mounting, aerial.
- Designed to be flipped over without screw.
- Compact size brings easy operation and complete function.
- Plug and play, fast response for new subscribers.
- Equipped with splice tray protection cover to separate the splice zone and distribution zone.
- Detachable wall mounting kit, to save the space for installation and packing, more artistic.

Model No.	Splicing capacity	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP Grade
OFC-BC16	96	18(2/16)	16	3-17mm	Aerial, pole	IP68



TERMINAL BOX OUTDOOR

OTB-O







Description

Mounted to outside or inside wall of building to distribute and connect optical cable for distribution of subscriber. It is designed with controls that maintain the fiber bend radius throughout the unit on the segregated customer and provider sides. For convenient cable management, they provide termination, splicing and storage functions for fiber optic cable systems

Features

- Standard Type, Outdoor (Pole, Wall) application, IP 65
- Managing up to 8-16 connections
- Easy expansion of lines and maintenance
- Built-in fiber splice tray
- Allowing both fusion and mechanical splices
- Weather-tight grommets
- Security lock attached

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-08	3/16	8	3-16mm		
OTB-O12	2/12	12	3.5-13mm	Aerial Pole, wall	IP65
OTB-O16	3/16	16	3-16mm	. 5.5, Wall	

OTB-OM









Description

It is designed to manage fiber connections and fiber splices with ease of maintenance for installers. Cassette type splitter module allows reduced installation time at the field. It allows easy expansion of lines for subscribers. It is suited for pole or wall application.

Features

- Module Type, Outdoor (Pole, Wall) application, IP 65
- Managing up to 32 connections
- Cassette type splitter module
- Built-in fiber splice tray
- Mid-span access
- Allowing both fusion and mechanical splices
- Weather-tight grommets

Model No. (RW series)	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-08M	3/12	8	3-16mm		
OTB-O24M	3/24	16	3-17mm	Aerial Pole, wall	IP 65
OTB-O32M	3/32	32	3-18mm	i oic, wan	

TERMINAL BOX OUTDOOR

OTB-O8B



The termination box is designed and constructed to be suitable for outdoor installation. The housing is sufficiently sturdy to withstand typical handing and installation procedures. The design and layout of the cable guides promote an efficient and ordered positioning of the cable within the box.

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-08B	2/8	8	3.5-13mm	Aerial, pole, wall	IP55

OTB-16B



Designed to manage fiber connections and fiber splices with ease of maintenance for installers. It allows easy expansion of lines for subscribers. It is suited for pole or wall application.

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-16B	3/18	16	3-16.5mm	Aerial, pole, wall	IP65

OTB-02P



Placement of the incoming cables allow convenient access for installation, maintenance and subsequent termination of additional secondary cable

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-02P	1/2	2	3.5-5mm	Aerial, pole, wall	IP55

TERMINAL BOX INDOOR

OTB-108



Indoor Optical Termination Box connects and distributes the FTTH fiber optical cables for subscriber distribution with being mounted on the inside of a middle terminal box in the communal premises.

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-I08	2/8	8	3-10mm	pole, wall	IP20

OTB-FP4



FTTH 4C Termination outlet box is used for final termination for FTTH Telecommunication. It can hold 4C SC adaptor & pigtails, 8C LC adaptor & pigtails (LC Duplex)

Model No.	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-FP4	2	4	3-15mm	pole, wall	IP20

OTB-FP2





The Outlet has a simple design and enough work space to arrange clearly for cable management, and engineered fiber routing protect bend radius through the unit to endure signal integrity

Model No. (RPAA series)	No. of Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	IP grade
OTB-FP2	2	2	3-16mm	pole, wall	IP20



ODF-U







Description

Provide efficient cable connections among outside plant cable equipment in the buildings and communication facilities, ODF integrates fiber splicing, storage and cable connections together in single unit. The frontal access and the unique adaptor arrangement design will increase your work speed and maintenance efficiency

Features

- 2-5Unit rack mount type
- Housing fiber termination
- Accommodating patching of fiber links and splicing
- Storing excess fibers
- Convenient connector access
- Modular construction and easy to grow
- 19" standard rack, 21", 22" racks are available upon request

Model No (ROO series)	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-2U48	1	48	8/22mm		2U
ODF-3U24	1	24	8/22mm		3U
ODF-4U72	3	72	8/22mm		4U
ODF-4U96	4	96	8/22mm	Rack mount	4U
ODF-4U144	6	144	8/22mm		4U
ODF-5U48	2	48	8/22mm		5U
ODF-5U144	6	144	8/22mm		5U

ODF-1U24W



Optical Fiber Distribution arrange the adaptor mount panel, the optical fiber connecting panel and optic fiber patch cords to connect and switch optical fiber cables and the optic fiber transmission tool.

Model No.	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-1U24W	1	24	8/22mm	Rack mount	1U

ODF-1U16P



- * PC/ABS
- PC/ABS material and light weight
- 19" 1U OFD for splicing cable and distribution
- Applicable with 24fiber
- Easy to install

Model No.	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-1U16P	1	16	8/22mm	Rack mount	1U

ODF-HD72



- High Density Fiber patching
- Filled to the limited work space
- Easy to install
- 2U Rack mount type

Model No.	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-HD72	3	72	8-22mm	Rack mount	2U

FDF RACK - FIXED

ODF-1U24D



Fiber Distribution Frame provides with a comprehensive solution for cable management and storage in the long-term success of the network. For convenient management, it provides with the termination, Splicing and storage functions in the fiber optic cable system.

Model No.	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-1U24D	1	24	8-32mm	Rack mount	1U



- The top cover is removable for easy installation
- Easy to control the loose tube and jumper cord loops
- High quality & rust-proof with no sharp edges

Model No.	No of Tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
FDF-24	1	12	8-32	Rack	3U
FDF-48	2	32	8-32	Rack	5U
FDF-72	3	36	8-32	Rack	4U
FDF-96	4	48	8-32	Rack	4U
FDF-144	6	96	8-32	Rack	4U



Provide efficient cable connections among outside plant cable equipment in the buildings and communication facilities, ODF integrates fiber splicing, storage and cable connections together in single unit. The frontal access and the unique adaptor arrangement design will increase your work speed and maintenance efficiency

Model No.	No. of Spice tray	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
FDF-288	12	288	8-32mm	Rack mount	7U

FDF WALL MOUNTED

ODF-W



Wall mounted Fiber Distribution Frame is a device which is consist of patch panel and tray. It is connected with optical cable and fiber optic termination or fiber optic transmission system.

Model No.	Fiber Splice	No. of Connection	Cable Dia (Main/Drop)	Application	IP
ODF-W12	12	12	8-22		
ODF-W32	32	32	8-22		
ODF-W36	36	36	8-22		
ODF-W48	48	48	8-22	Wall	IP 53
ODF-W96	96	96	8-22		
ODF-W120	120	120	8-22		
ODF-W144	144	144	8-22		

ODF-WN



MINI OFD is designed to manage fiber splices and patching of fiber links with ease of maintenance for installers. This mini wall mount optical fiber distribution is suited to data application in controlled environments.

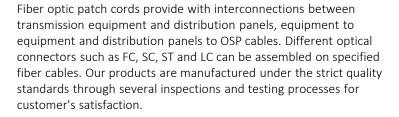
Model No.	Cable port	No. of Connection	Cable Dia (Main/Drop)	Application	Unit
ODF-WN4	10(2/8)	4	6-15mm	Wall	-
ODF-WN8	10(2/8)	8	6-15mm	Wall	-



FIBER OPTIC ACCESSORIES

PATCH CORDS







- Insertion Loss ≤ 0.2 dB
- Return Loss SPC ≤ 40 dB UPC ≤ 55 dB APC ≤ 65 dB
- Durability ≤ 0.2 dB (500times)
- Operation Temperature. Stability ≤ 0.2 dB (-40 C°~ +85 C°)









* Left	:	Righ	nt	Fiber	Jacket material	Mode	Cable dia (mm)	No Of Fibers	Length (meter)
CONNECTOR	POLISH	CONNECTOR	POLISH	G652D	PVC	SM	0.9	1-24C	
SC	PC	SC	PC	G657A1	LSZH	OM1	2.0		
LC	APC	LC	APC	G657A2		OM2	3.0		
FC		FC		G657B3		OM3	3*2 Flat		
ST		ST					4.2		
MTRJ		MTRJ					4.5		
MU		MU							
MTP		MTP							

- * Pigtail: Applicable with only side
- * Ordering: SC/PC-LC/APC-G657A2-PVC-SM-2.0-2C-10meter

PRE-CONNETORIZED CABLE KITS



Pre-connectorized cable kits are designed to use for preterminated fibers with Optical Interior Termination Device for FTTH applications. Composed of 1, 2 or 4 fibers directly connected in Adaptors inside a terminal socket to ensure rapid installation.

* CPR Certified

Item (SPPT)	Cable	Sheath color	Fibers	Adaptor	Ferrule	Cable length
Precon-KIT	2.0mm	Black	1-4	SC	PC	Optional
	3.0mm round	White		LC	APC	
	3*2mm flat	Optional		FC		
	4.2mm					
	4.5mm					

^{*} Ordering: Precon KIT-4.2mm white - 4 core - SC/PC - 10meter



Armored Patch Cable as the name implies, there is an helical stainless steel tape over a buffered fiber surrounded by a layer of aramid and stainless steel mesh with an outer jacket to better protect the cable work well in data center rooms and harsh environments. The single mode fiber patch cable meets compliant, and all cables are 100% optically tested for insertion loss before shipment, this is very costs effective for your network.

^{*} Ordering: Customized cable & connector

FIBER OPTIC ACCESSORIES

PLC SPLITTER



Bare

The 1XN Planar Splitter has high performance with very low insertion loss, excellent Uniformity, Low PDL and flat wavelength operation. The splitter is pigtailed with single mode Fibers and compact package. It's available in 2, 4, 8, 16, 32 and 64 channel configuration, with connector type open to customer specifications.



- - Mini module



Cassette

- •1x4, 1x8, 1x16, 1x32 and 1x64 configurations available
- •2x4, 2x8, 2x16, 2x32 configurations available
- •Telcordia GR-1209 & GR-1221 qualified
- •Low insertion loss, PDL, Back Reflection
- High uniformity
- Compact package



ABS Box



Rack type

ltem	Туре	Connector	Cable (mm)	Splitter	No of Connection
PLC	B / BARE	None	0.25	1*2	24
	M / MINI MODULE	SC/UPC	0.9	1*4	48
	C / CASSETTE	SC/APC	2.0	1*8	72
	ABS / ABS BOX			1*16	96
	R / RACK			1*32	144
				1*64	
				2*4	
				2*8	
* Ordering	g : PLC-C-SC/UPC-0.9-1*8			2*16	
31401116	,			2*32	

FIBER OPTIC ACCESSORIES

ADAPTOR& ATTENUATOR



Fiber optic adapters provide with interconnections between transmission equipment and distribution panels, equipment to equipment and distribution panels to OSP cables. Different optical adaptors such as FC, SC, ST and LC can be assembled on specified connectors. Our products are manufactured under the strict quality standards through several inspections and testing processes for customer's satisfaction.







- Mating Durability ≤ 0.2 dB (500times)
- Operation Temperature. Stability ≤ 0.2 dB (-40 C° ~ +85 C°)















MU

MTRJ

SC Shutter

E-2000

MTO-MTP

ltem	Туре	Ferrule	Spec
FOA	SC, LC, FC	UPC	SIMPLEX
FOA	ST, MU. MTRJ, E-2000	APC	DUPLEX
FOA	MTO-MTP		QUAD





Mainly used in fiber optic to debug optical power performance & optical instrument calibration correction & fiber signal attenuation to ensure the optical power in a stable and desired level in the link without any changes on its original transmission wave.







LC

FC

ST

MU

ltem	Туре	Attenuation	Spec
FOAT	SC, LC, FC, ST, MU	1dB ~ 20dB	SIMPLEX

ACCESSORIES FOR LAST MILE

KFAOC

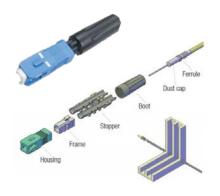


Fast connectors provide an immediate termination to either single-mode or multimode fibers. The connector are pre-polished in factory, catering for 250um to 900um, and 2.0mm, 3.0mm diameter single mode and multimode fiber types,

Insert loss : ≤ 0.3dBReturn loss : ≥55dB

Model no.	Туре	Connector	Cable
KFAOC	Fast connector	SC/PC, SC/APC	0.25/0.9/2.0/3.0mm
KFAOC	Fast connector	LC/PC, LC/APC	0.25/0.9/2.0/3.0111111

FDAC



- Only 4.5mm hole required
- Quick and easy assembly in the field
- High stable mating and de-mating characteristics
- Designed for variable cable
- Comply with : JIS C-5973, IEC, Bellcore

Model no. (SPFN)	Туре	Connector	Cable
FDAC	Drop cable connector	SC/PC, SC/APC	3.0mm

FIBER OPTIC ACCESSORIES

TOOLS



The Smallest and the Lightest Active Alignment Fiber Fusion Splicer

- Full touch screen
- Active Alignment Splicer 4 Motors
- Fastest Splicing Time
 7 sec with single mode fiber (quick mode)
 16 sec Heating time

Item	Model No.	Size	Weight (kg)	Battery Cycles
Fusion splicer	MINI-4S	122mm X 124mm X 138 mm	1.31kg	400



High Precision Fiber Cleaver is ideal for FTTx applications. The attached hexagonal wrench on the bottom allows you to adjust cleaver anytime and everywhere, enhancing the working efficiency greatly.

Item	Model No.	Cable	Cleaving length	Blade lifetime
Fiber cleaver	FS-01	125/250/900mm	9-16mm	36,000 times



Heat shrinkable sleeve is applied to the optical fiber closure to fix and protect the optical fiber when splicing.

* Rod : Ceramic / Steel

ltem	Model No.	Туре	Diameter of steel rod	Length	Color
Heat shrink sleeve	HTS-SM	Single	1.5±0.05	40mm/60mm	Transparent,
Heat shrink sleeve	HTS-RM	Ribbon	1.5±0.05	40mm/60mm	Optional

FIBER OPTIC ACCESSORIES

WARNING TAPE



Warning tape is placed in buried cable trench at a defined distance on top of the cable/ducts. It serves as a protection for the cable/ducts in case of future trenching work within the area of the buried cable/duct.

* Material : low density polyethylene

Model no.	Туре	Material	Length
KWT	Warning tape	Low density polyethylene	-

MAN/HANDHOLE



Plastic manhole has developed and perfected an innovative dough moulded formulation that combined with the most advanced molding techniques that guarantees consistent production and quality.

- * DMC = Dough moulded Compound
- * PP = Poly Propylene

Model no.	Product code	Size (mm) W x H	Weight (kg)	Main Material	Loading (kg)
K600HD	RMPQC	Ф770 х 760	115	DMC, PP	4,000
K900HD	RMPMC	Ф1070 х 1081	340	DMC, PP	13,500



KNET Bluight™ Microduct offers a broad range of products to meet the many different deployment scenarios facing global telecom carriers. The products are designed to enable carriers to bring fiber optic service to business and residential customers with greater speed and efficiency while dramatically reducing carrier deployment costs and disruption to existing roadways and landscaping.

Applications

Direct Buried

Microducts are designed for direct buried application. Microduct shape and flexibility make this type a good choice for jointing and branching with existing conventional networks



Direct Install

It's simple and lightweight structure enables fast and costeffective installation inside existing conduit. It increases availability of cabling infrastructure by dividing into many smaller tubes.



Indoor/High Rise

Designed for installation within buildings, it is perfect for applications required to follow strict fire and safety codes with temperature resistance as a priority.



Aerial Duct

Designed for installation along aerial pole lines. It's built in strength member securely attaches to the pole to create a no-lash aerial network.



Special Duct for Drop Area

Knet has developed the numerous special product to apply different market. Ruggedized duct, pre cabled duct, Micro drop duct are among them



Accessories

Knet provides a complete array of accessories to fulfill your fiber pathway needs







