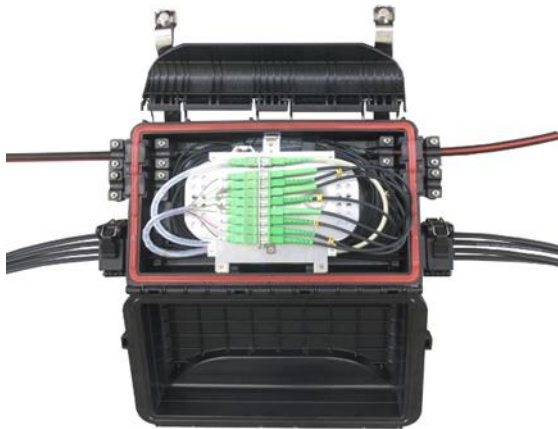# FTTx Aerial In-Line Terminal
(SDP-T Aerial In-Line Terminal for FTTx)
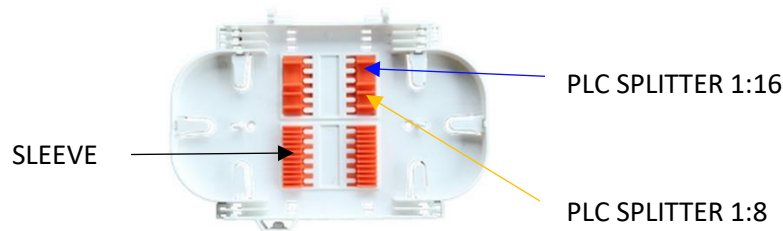
New Model: CB-SDP-045-01

Optical Fiber Inline Closure Spec. No. CB-SDP-045-01 Model FOC-CB8-16. Available with optical fiber cable enclosure for fiber splice, splitter in external plant network for FTTx and broadband apps, water protection evidence, fast installation and simple to use, saving time in the workplace. The closure has In-Out 8 cable ports. Inputs can be 1:2, 1:4, 1:8 Splitter.

* All goods must be standardized by TOT Technical Requirements.

Features

- Made from Material Acrylonitrile Butadiene Styrene (ABS), Sunlight Resistant (UV), durable pull and bend of cable it well.
- Easy to install (Clip Lock)
- Waterproof
- It can be open and close lid quickly without special tools.
- Design a clamp attached on the lid, for easy to use, dropped during operation.
- Prepare successful accessories, easily installed, and reduce the time of installation.
- It can be installed cable freely and easily with a clamp lock optical fiber cable to keep tidy.
- Provide hanging clamp Stainless SUB 304 and disconnect from cable stand, convenient fast installation and use aerial and air-mounted on a pole.
- Designed front cover with space for a company name or sprayed or painted stripes Logo is permanently attached to the plastic.
- Splice Tray and lid made from Polycarbonate or white ABS.
- Protective Sleeve length 60 mm. and a core made of Stainless Steel.
- Size: 32.05 x 18 x 12 cm
- Weight 2 kg with 4 holes for cable in-out.
- IP 65

PLC SPLITTER 1:16

SLEEVE

PLC SPLITTER 1:8

At least the terminal kit consists of the following parts: a) Re-enterable, vertically split, and hinged terminal body housing 1 set.

1. Re-enterable, vertically split and hinged terminal body housing   1 set.
2. The organizer tray: 1 set (compose of 1 splitter tray and 1 splice tray)
3. 1 splitter tray
4. 2 splitter holders for 1: n splitter (n=number of splitting, such as 1:2, 1:4, and 1:8)
5. 1 slot for installation the SC/APC Through adaptor 1 set (for tray patching) only for the case of this slot is not install in drop termination section.

The splice trays shall compose of:

1. The terminal shall have at least 1 tray (shall accommodate at least 24 fibers single fusion splices).
   - The splitter tray and the splice tray may be designed in separate tray or build in the same tray structure but on the different side (so called combined back to back splice and slitter tray)
2. SC/APC through adaptor: 9 sets or up to order.
3. SC/APC through adaptor panel or slot: 1 set (support to install up to 12 SC/APC adaptors) or 1 set of support to install up to 13 SC/APC adaptors.
4. Main cable port (or main port)
5. Branch cable port (or branch port)
6. Drop cable port (or drop port)
7. Clamping for mounting on cable strand   1 set
8. Heat shrink splice protector (Sleeve size 40mm) with stainless steel
9. reinforced metal rod (up to No. of splices)
10. Sealing gasket or sealing system (if any)
11. Sealing tape or equivalent
12. Buffer tube or transport tube, if necessary, depending on each
13. manufacturer product design.
14. Cable clamps

15. Tray strap
16. Alcohol tissue
17. Abrasive paper
18. Instruction at least one per terminal kit preparing in Thai or English language including.
- Installation and maintenance instruction
- Description how to manage or arrange the fiber inside terminal
- Drawings or pictures of fully fiber installed inside closure
- Finish installed closure related to applications concerned.

Mechanical Requirements

Performance	Conditions	Requirements	Method of Test in Section
Appearance	● Examination with the unaided naked eye	● No defects which will adversely affect product performance	4.1.1
Bending (Flexure)	● Temperature (40±2) °C ● Weight: up to cable capacity ● No. of cycles: 8 cycles	ΔAttn. ≤ 0.05 dB ● Appearance	4.1.2
Cable Retention	● Temperature (25±2) °C ● Weight: 45 kg. ● Time 1 half hour	ΔAttn. ≤ 0.05 dB ● Appearance	4.1.3
Drop Cable Retention	● Temperature (25±2) °C ● Weight: 2.5 kg. ● Time 5 minutes	ΔAttn. ≤ 0.05 dB ● Appearance	4.1.4
Torsion	● Temperature (40±2) °C ● No. of cycles: 10 cycles	ΔAttn. ≤ 0.05 dB ● Appearance	4.1.5

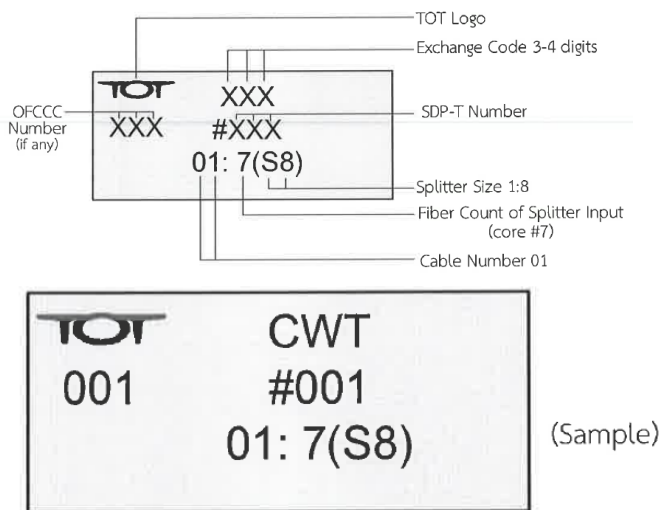|			

Compression	● Temperature (40±2) °C
	
	● Weight: up to cable
	
	  capacity
	
	● Surface area: 50x50 mm²
	
	● Time 15 minutes
		● Deform ≤ 20% while the
		
		  load is applied and
		
		  deformed ≤ 10% while remove
		
		  the load.
			4.1.6

Impact	● Temperature (40±2) °C ● Impact tool Ø 50 mm hemisphere head cyUnder ● Weight: 2 kg	● Appearance	4.1.7
Vibration	● Temperature (25±2) °C ● Speed: 1 oct/min ● Frequency: 5 Hz~20 Hz	● Appearance	4.1.8
Through Adaptor Endurance	● IEC-61300-2-2 ● Mating and Remating: 500 times	● Appearance ΔAttn. ≤ 0.2 dB ΔRL ≤ 2 dB	-

Environmental Requirements

Performance	Conditions	Requirements	Method of Test in Section
Protection Rating (dust/water)	● IEC 60529 or equivalent	● Dust-protected ● No evidence of water intrusion ● IP 65 or equivalent	4.2.1
Ultraviolet Resistance	● ASTM D - 2526 ● Time: 30 days	● Change in ultimate elongation and tensile strength ≤ 20%	4.2.2
Carbon Black Content	● ASTM D - 1603	● ≥ 2.6%	4.2.3
Salt Fog Spray Test	● ASTM B - 117 ● Time: 30 days	● Appearance ● No Corrosion	4.2.4
Temperature Cycling	● Temperature range: 44°C/ +60°C ● Humidity: 95% ● Time: 30 days	● Appearance	4.2.5

Marking

1. The terminal shall be marked by the name or trademark of the manufacturer. In order to ensure traceability, the month and year of production shall be clearly located on the end.

2. A customer trademark or logo shall be shown by the terminal where applicable.

3. For the purpose of identifying terminal record details by spray paint, such as the distribution or cascade model of the network model, the outer surface (front) of the terminal shall be structured.

(Sample)

Packing and Ordering Information

Each fiber optic terminal kit is packed in a cardboard box and clearly displayed with the description, product type, date, month, and year of manufacture of the connector, TOT trade mark, contract number, batch number, manufacturer name and supplier name. The ordering details in table 1 shall ne as follows:

TOT Code	Product description	Terminal Type	Terminal Capacity (Fibers)	Cable port (Minimum)			Packing Set/Bx
				Main Port	Branch Port	Drop port	
10063170	SDP-T FTTx Aerial In-Line Terminal for 9 Adaptors (1 in, 8 out) *	SDP-T	12- 60	4	2	8	1