

# OSP Deep Terminal with Engineered TAPs

## Description:

The Go!Foton OSP Deep Terminal with Engineered TAPs integrates fiber optic tap splitters, drop ports connectors, and mid-span splicing into a small weather-tight enclosure. This compact and easy-to-access terminal enables fast installation of subscriber connections with guaranteed quality and performance.

It is the ideal solution for fiber-to-the-home deployments in low- to medium-density and rural FTTx networks

## Features:

- Available in 2-port, 4-port, and 8-port TAP configurations
- Compact size for concealed applications and tight spaces
- IP65 rated and UV resistant enclosure for OSP deployments
- Connectorized Drop Ports, TAP Splitters, and Splice Tray are pre-installed for immediate deployment
- Uses standard SC or LC connectorized drop cables or accepts drop cables with field installed connectors
- Buckle-lock design for tool-less access and secure installation
- Strand, pole, or wall mountable
- Split/TAP ratio label for easy identification

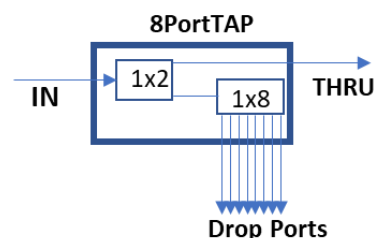
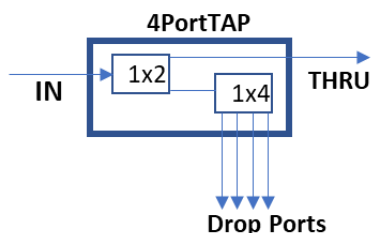
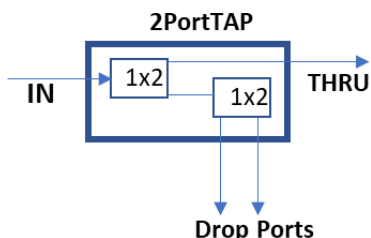


## Applications:

- Rural FTTx deployments where subscriber density is significantly lower than in urban areas
- FTTx pathways that have individual or small clusters of subscribers spread out over long distances

## Benefits:

- Simple deployment and easy maintenance for midspan drops
- Ready for quick turn up of new customers using standard connector drop cables
- Lower overall cost to deploy with less fiber and smaller fiber count cables for rural, and low- to medium-density areas

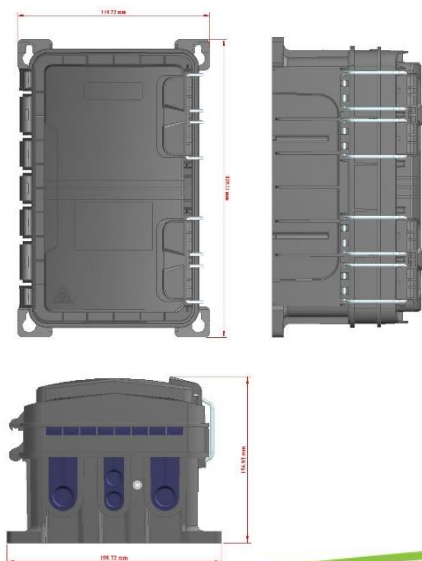


# OSP Deep Terminal with Engineered TAPs

## Specifications:

PARAMETER	SPECIFICATIONS
Number of Drop Ports	2-port, 4-port, or 8-port
Adapter Type(s)	SC/APC or SC/UPC Simplex LC/APC or LC/UPC Duplex
Feeder Cable Diameter	7 mm ~ 20 mm
Branch Cable Diameter	7 mm ~ 15 mm
Drop Cable Ports Capacity	16 pcs – 3mm Round Drop Cable 8 pcs – 4.8mm Round Drop Cable 8 pcs – Flat Drop Cable
Maximum Splice Count for Feeder	48 fibers (single fusion splice) – Feeder & Branch Cables Up to 16 fiber (single fusion splice) – Drop cables
Mounting Options	Strand, Pole, and Wall Mount
Color	Black
Weight	2.54 kg
Dimensions	12.2" x 7.8" x 6.1" (309mm x 199mm x 155mm)
Fiber Type	ITU-T G657-A1 and G652-D compliant Single Mode fiber
Operating Temperature	-40°C to +65°C
Operating Humidity Range	5 to 95% RH
Classification	IP65 and GR-771

## Product Dimensions:



## Product Details:



**Top Layer:**  
Splitter Ports for Drop Cable Connections



**Middle Layer:**  
Splice Tray for Feeder Fiber Integration



**Bottom Layer:**  
Feeder Fiber Slack Management



# OSP Deep Terminal with Engineered TAPs

## Terminal Details:



**Engineered TAPs:**  
Integrated inside Plastic Enclosure



**Input Port and Signal Port:**  
Routed in Splice Tray for Feeder Cable Integration



**TAP & Split Ratio  
Outer Label:**  
Example: "102"  
10dB TAP  
1x2 Splitter

## Mounting Options:



**Pole Mount**



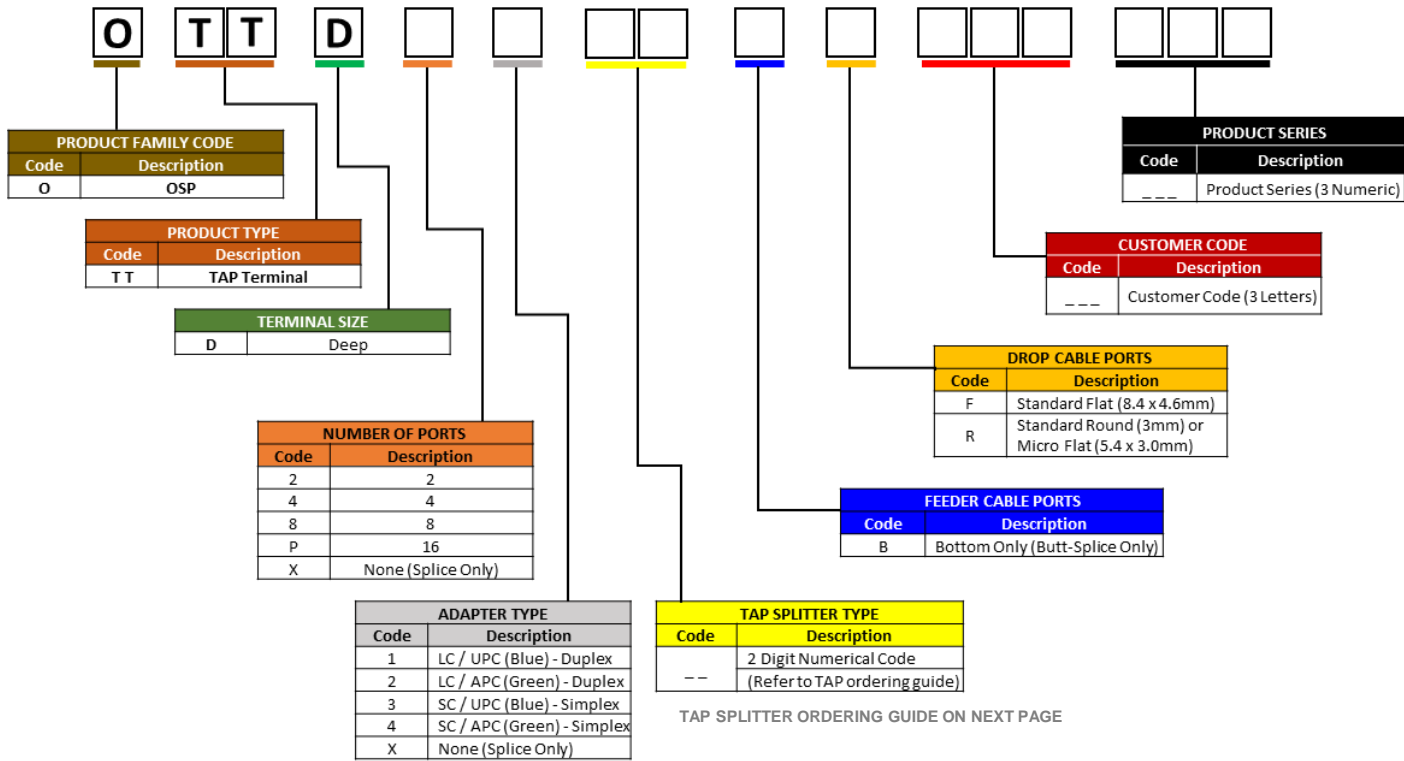
**Wall Mount**



**Strand Mount**

# OSP Deep Terminal with Engineered TAPs

## Ordering Guide:



TAP SPLITTER ORDERING GUIDE ON NEXT PAGE

## Accessories:

MODEL CODE	DESCRIPTION
OTTDMP1	OSP DEEP TERMINAL MOUNTING BRACKET WALL/POLE
OTTDMC1	OSP DEEP TERMINAL MOUNTING BRACKET FOR CABLE STRAND
OTTDGNDKIT1	OSP DEEP TERMINAL GROUNDING KIT

## Example Ordering Code:

Order Code: **OTTD2408BF**

Description: OSP DEEP TERMINAL BUTT SPLICE WITH 2-DROP PORTS FLAT AND 8DB TAP SC/APC





# OSP Deep Terminal with Engineered TAPs

## TAP Ordering Guide:

Code	TAP Value	TAP Module Description
<b>CODE FOR MODULES WITH 2-DROP PORTS</b>		
01	21 dB	99/1 TAP WITH 1X2 SPLITTER DROP PORTS
02	19 dB	98/2 TAP WITH 1X2 SPLITTER DROP PORTS
03	17 dB	97/3 TAP WITH 1X2 SPLITTER DROP PORTS
04	15 dB	95/5 TAP WITH 1X2 SPLITTER DROP PORTS
05	14 dB	94/6 TAP WITH 1X2 SPLITTER DROP PORTS
06	12 dB	90/10 TAP WITH 1X2 SPLITTER DROP PORTS
07	10 dB	80/20 TAP WITH 1X2 SPLITTER DROP PORTS
08	8 dB	75/25 TAP WITH 1X2 SPLITTER DROP PORTS
09	7 dB	70/30 TAP WITH 1X2 SPLITTER DROP PORTS
10	5 dB	60/40 TAP WITH 1X2 SPLITTER DROP PORTS
11	4 dB	1X2 SPLITTER DROP PORTS - TERMINATOR TAP
<b>CODE FOR MODULES WITH 4-DROP PORTS</b>		
12	21 dB	99/1 TAP WITH 1X4 SPLITTER DROP PORTS
13	19 dB	98/2 TAP WITH 1X4 SPLITTER DROP PORTS
14	17 dB	97/3 TAP WITH 1X4 SPLITTER DROP PORTS
15	15 dB	95/5 TAP WITH 1X4 SPLITTER DROP PORTS
16	13 dB	93/7 TAP WITH 1X4 SPLITTER DROP PORTS
17	11 dB	90/10 TAP WITH 1X4 SPLITTER DROP PORTS
18	10 dB	85/15 TAP WITH 1X4 SPLITTER DROP PORTS
19	9 dB	80/20 TAP WITH 1X4 SPLITTER DROP PORTS
20	7 dB	1X4 SPLITTER DROP PORTS - TERMINATOR TAP
<b>CODE FOR MODULES WITH 8-DROP PORTS</b>		
21	22 dB	99.5/0.5 TAP WITH 1X8 SPLITTER DROP PORTS
22	21 dB	99/1 TAP WITH 1X8 SPLITTER DROP PORTS
23	19 dB	98/2 TAP WITH 1X8 SPLITTER DROP PORTS
24	17 dB	97/3 TAP WITH 1X8 SPLITTER DROP PORTS
25	15 dB	95/5 TAP WITH 1X8 SPLITTER DROP PORTS
26	14 dB	94/6 TAP WITH 1X8 SPLITTER DROP PORTS
27	12 dB	90/10 TAP WITH 1X8 SPLITTER DROP PORTS
28	11 dB	1X8 SPLITTER DROP PORTS – TERMINATOR TAP



# OSP Deep Terminal with Engineered TAPs

## TAPS Optical Specifications:

PARAMETER	UNIT	SPECIFICATIONS	
Operating Wavelength Range	nm	1310±40 and 1550±40	
Return Loss	dB	≥ 50	
Directivity	dB	≥ 55	
PDL	dB	≤ 0.20	
Insertion Loss for 2-Port TAPs		Signal Port (THRU)	Drop Ports
21dB	dB	≤0.4	19.5~21.5
19dB	dB	≤0.5	16.5~18.5
17dB	dB	≤0.7	16.0~18.0
15dB	dB	≤0.8	14.2~15.8
14dB	dB	≤1.1	12.0~14.0
12dB	dB	≤1.3	10.5~12.5
10dB	dB	≤2.1	8.5~10.5
8dB	dB	≤2.7	7.5~9.5
7dB	dB	≤4.1	6.2~7.8
5dB	dB	≤6.0	4.2~5.8
4dB	dB	-	≤4.0
Insertion Loss for 4-Port TAPs		Signal Port (THRU)	Drop Ports
21dB	dB	≤0.6	18.5~20.5
19dB	dB	≤0.8	16.5~18.5
17dB	dB	≤1.0	15.5~17.5
15dB	dB	≤1.3	14.2~15.8
13dB	dB	≤2.0	12.2~13.8
11dB	dB	≤2.7	10.2~11.8
10dB	dB	≤4.0	9.0~11.5
9dB	dB	≤6.0	8.0~9.8
7dB	dB	-	6.2~7.8
Insertion Loss for 8-Port TAPs		Signal Port (THRU)	Drop Ports
22dB	dB	≤0.8	20.0~22.0
21dB	dB	≤1.0	18.5~21.5
19dB	dB	≤1.3	16.5~18.5
17dB	dB	≤2.0	15.0~16.8
15dB	dB	≤2.7	14.2~15.8
14dB	dB	≤4.1	12.8~14.4
12dB	dB	≤6.0	11.0~12.8
11dB	dB	-	9.5~10.7

Note: Insertion loss includes WDL, TDL and PDL but excludes connector losses (≤1.0 dB)

