

OPTICONN™ Dome Fiber Closure Specification



Application

- PON
- DAA
- Outdoor Fiber Optic Cable Splicing and Cable Management
- Aerial, Underground, or Direct Bury
- Mid-span Cable and Cut-end Cable Entry
- Single Fusion and Mass Fusion (Ribbon) Fiber Splicing
- Cable Purpose(s): Back-bone, Lateral, and Drop
- Cable Type(s): Armored, ADSS, Loose Tube, Ribbon, Micro Cable, Flat or Round Drop Cable
- Optical Splitters and/or Multiplexers Integration



Features

- Entry Port Options, See Charts And Components On Page 3 For Entry Options
- Gel Seal(s) Designed For A Wide Range Of Fiber Cable Diameters And Applications (See Charts On Page 3)
- Multiple Mid-Span Cable Capacity
- Flexible Hinge and Slotted Tray Tower Design
for Mix Use of Short and Tall Trays
- Additional Flex Fiber Slack Basket for increased storage capacity
- Strand, Pole & Wall Mounting Bracket Options

Splice Capacity Per Tray (max)	OC250		OC500		OC750	
	Single Splices	Ribbon Splices	Single Splices	Ribbon Splices	Single Splices	Ribbon Splices
Short Tray	24	72	48	144~288	72	288~432
Tall Tray	24	72	48	144~288	72	288~432

Tray and Splice Capacity (max)	OC250		OC500		OC750	
	Without Flex Basket	With Flex Basket	Without Flex Basket	With Flex Basket	Without Flex Basket	With Flex Basket
Short Tray	6	4	8	6	8	6
Tall Tray	4	3	6	4	6	4
Single Splice	144	96	384	288	576	432
Ribbon Splice	288	216	864	576	1728	1152
Ribbon Splice (Short Tray)	432	288	1152	864	2592	1728

Standard Accessories

- Dome with O ring
- Locking Clamp
- Multi Cable Insert Kit
- Strength Member Brackets
- Hose Clamps
- Closure Multi Tool
- Cable Ties
- Velcro Strap
- Buffer Felt

Standards

- IP68
- GR771
- RoHS

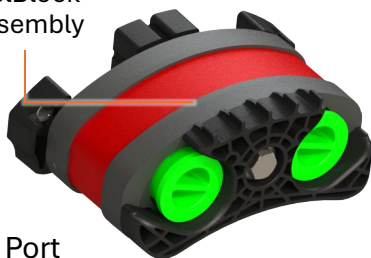
Optional Accessories

- Short Tray
- Tall Tray
- Flex Basket (Extra Storage)
- Tray Hinge Adapters
- Aerial Mount Bracket
- Pole Mount Fixture
- Grounding Kit
- Bench Clamp Fixture
- Bench Clamp OC250 Adapter
- Drop GelBlock
- Multi Cable Insert
- High Density Splice Holder

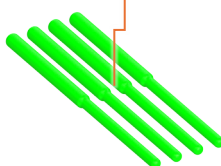
Note: Tall Trays are recommended for use for 900 micron and flat Ribbon splicing applications

2 Port GelBlock Entry Options and Components (2 Ports)

GelBlock Assembly



Cable Dummy Sticks



Multi Cable Insert – 2 positions (**MCI 2**)



Multi Cable Insert – 3 positions (**MCI 3**)



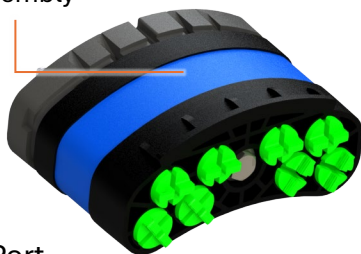
Multi Cable Insert – 4 positions (**MCI 4**)

Per Port

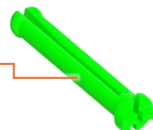
Cable Config.	Insert	Cable Count	Min Dia. in (mm)	Max Dia. in (mm)
Single	N/A	1	0.3 (7.6)	0.9 (22.9)
Multi	MCI 2	1-2	0.2 (5.5)	0.4 (10.2)
Multi	MCI 3	1-3	0.15 (3.8)	0.27 (6.9)
Multi	MCI 4	1-4	0.12 (3.0)	0.21 (5.5)
Multi	MCI 4	1-4 (Flat)	0.12x0.22 (3.0x5.5)	0.2x0.32 (5.1x8.1)

Drop GelBlock Entry Options and Components (8 Ports)

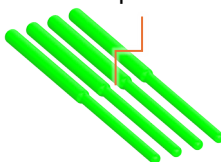
GelBlock Assembly



Flat Drop Port Plug(s)



Cable Dummy Sticks (Round Drop Port Plug)



Flat Drop Insert – 2 positions (**FDI 2**)



Round Drop Insert – 3 positions (**RDI 3**)

Per Port

Cable Config.	Insert	Cable Count	Min Dia. in (mm)	Max Dia. in (mm)
Single	N/A	1	0.3 (7.6)	0.5 (12.8)
Multi Flat	FDI 2	1-2	0.12x0.22 (3.0x5.5)	0.2x0.32 (5.1x8.1)
Multi Round	RDI 3	1-3	0.12 (3.0)	0.21 (5.5)

Base Models



OC250-OG01-F1T0S2-V1GL

OC250



OC250-OG02-F1T0S2-V1GL



OC500-OG01-F0T0S0-V1GL

OC500



OC500-OG01-F1T0S2-V1GL



OC5750-OG01-F0T0S0-V1GL

OC750

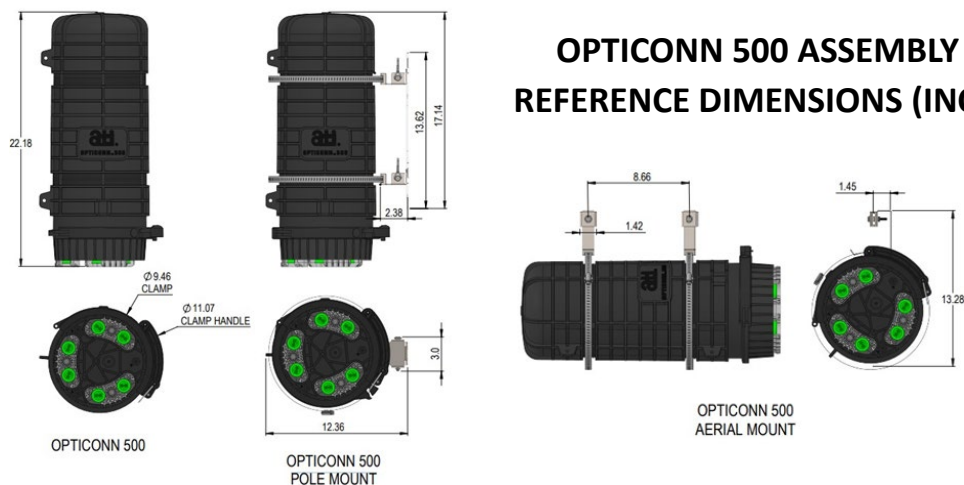


OC750-OG01-F1T0S2-V1GL

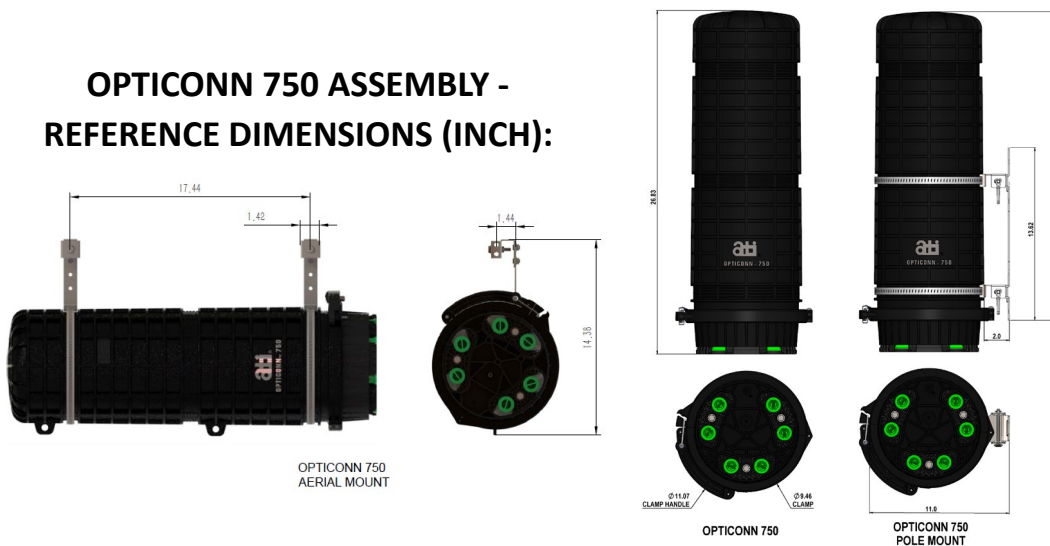
**OPTICONN 250 ASSEMBLY -
REFERENCE DIMENSIONS (INCH):**



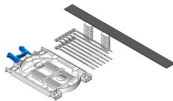
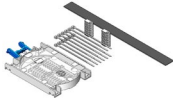
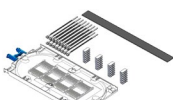
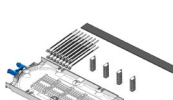
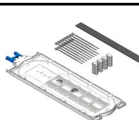
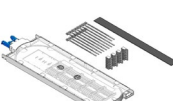
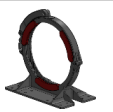
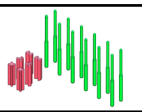
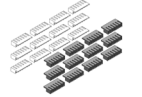
**OPTICONN 500 ASSEMBLY -
REFERENCE DIMENSIONS (INCH):**



**OPTICONN 750 ASSEMBLY -
REFERENCE DIMENSIONS (INCH):**



Optional Accessories

Part Number	Specification	Picture	Part Number	Specification	Picture
OC250STA	OPTICONN™ 250, Short Tray Assembly, 12.5mm height, 2 single splice holders installed, with Tray Hinge and accessories (12 cable ties & 1 buffer felt & 2 ribbon splice inserts)		THA-RD	OPTICONN™, Red Tray Hinge Adapter-ATI-Universal	
OC250TTA	OPTICONN™ 250, Tall Tray Assembly, 17mm height, 2 ribbon splice holders installed, with Tray Hinge and accessories (12 cable ties & 1 buffer felt & 2 single splice inserts)		THA-OR	OPTICONN™, Orange Tray Hinge Adapter-ATI-B	
OC500STA	OPTICONN™ 500, Short Tray Assembly, 12.5mm height, 4 single splice holders installed, with Tray Hinge and accessories (16 cable ties & 1 buffer felt & 4 ribbon splice inserts)		THA-VL	OPTICONN™, Violet Tray Hinge Adapter-ATI-D	
OC500TTA	OPTICONN™ 500, Tall Tray Assembly, 17mm height, 4 ribbon splice holders installed, with Tray Hinge and accessories (16 cable ties & 1 buffer felt & 4 single splice inserts)		OCAMK	OPTICONN™, Aerial Mount Kit	
OC750STA	OPTICONN™ 750, Short Tray Assembly, 12.5mm height, 4 single splice holders installed, with Tray Hinge and accessories (16 cable ties & 1 buffer felt & 4 ribbon splice inserts)		OCPMK	OPTICONN™, Pole Mount Kit	
OC750TTA	OPTICONN™ 750, Tall Tray Assembly, 17mm height, 4 ribbon splice holders installed, with Tray Hinge and accessories (16 cable ties & 1 buffer felt & 4 single splice inserts)		GK1	OPTICONN™, Grounding Kit, 1 Bolt + 1 Wire	
OC250FXB	OPTICONN™ 250, Flex Basket		GK3	OPTICONN™, Grounding Kit, 3 Bolts + 3 Wires	
OC500FXB	OPTICONN™ 500, Flex Basket		GW3	OPTICONN™, Grounding Kit, 3 Wires	
OC750FXB	OPTICONN™ 750, Flex Basket		OC500BC	OPTICONN™ 500, Bench Clamp Fixture Kit	
			OC250BC	OPTICONN™ 250, Bench Clamp Adapter	
			OCDGB	OPTICONN™, Flat and/or Round Drop Gelblock, w/ Multi Drop Inserts	
			OCMCI	OPTICONN™, Multi Cable Insert Kit	
			HDSH12	OPTICONN™, HIGH DENSITY SPLICE HOLDER KIT, LEFT+RIGHT, 12X	



Accelight Technologies, Inc.

OPTICONN™ Dome Fiber Closure Specification

Ordering Information Part Number Matrix

OC ① - ② ③ - ④ - ⑤ - ⑥ V ⑦ G

① Opticonn closures

250 Series, 500 Series, 750 Series

② Build Configuration

OG = Original Standard Baseplate

③ Gel Block Configuration

01= Standard 2-port Gel Block in all locations

02= 1x Drop Gel Block, other Standard 2 port Gel Block

④ Flex Basket

F0 = None

F1 = Flex Basket installed

⑤ Tray Configuration

OC250 With or Without Flex Basket Options

T1S0 = 1 Tall T2S0 = 2 Tall

T0S1 = 1 Short T0S2 = 2 Short

T0S4 = 4 Short

OC500&OC750 With or Without Flex Basket Options

T0S0 = No Trays T2S0 = 2 Tall

T4S0 = 4 Tall T0S2 = 2 Short

T0S4 = 4 Short T0S6 = 6 Short

T2S2 = 2 Tall & 2 Short

OC250 Without Flex Basket ONLY Option

T4S0 = 4 Tall

T0S6 = 6 Short

T2S1 = 2 Tall & 1 Short

T1S2 = 1 Tall & 2 Short

OC500&OC750 Without Flex Basket ONLY Option

T6S0 = 6 Tall

T0S8 = 8 Short

T2S4 = 2 Tall & 4 Short

T4S2 = 4 Tall & 2 Short

⑥ Valve Kit (Flash Valve)

V0 = None

V1 = Flash Valve Installed

⑦ Grounding Kit

G0 = None

G1 = 1 Grounding Kit Installed
(1 Lug, and 1 Ground wire)

G3 = 3 Grounding Kits Installed
(3 Lugs, and 3 Ground wires, For 500&750 Series Only)

GL = 3 Lugs installed for 500&750; 2 Lugs installed for 250 (Lugs Only)

Note: MOQ required for custom orders

