FOSC OPGW FOSC Optical Grounding Wire Closure

- Butt splice closure
- Heat-shrink technology
- Hinging splice trays
- Superior fiber management for optical grounding wires

The FOSC OPGW, part of the FOSC 400 closure family, is a single-ended closure system specially developed for use on the optical grounding wires of overhead electrical power lines.

The closure is suitable for use above ground; it can be attached to high voltage towers, poles, walls or other support structures. The FOSC OPGW closure system has the following functions and features:

- · Single-ended design with valve
- A galvanized steel mounting frame holds the thermoplastic dome and base and the OPGW cable clamps.
- A pole mounting kit is included which allows the closure to be mounted on a traverse strut of a high voltage tower without the need to drill holes in the metal construction.
- A stainless steel shot-gun protection enclosure is optionally available. It permits the termination and sealing of:
 - 2 OPGW cables
 - 2 ADSS or conventional buried fiber optic cables
- Cable seals are manufactured from heatshrinkable material.
- Internal storage utilizes FOSC splice trays which are hinged for access to any splice without disturbing other trays.



Dimensions and capacities

Closure size	FOSC 400 A4	FOSC 400 B4	
Dimensions (in mm)			
Width x depth	202 x 240	202 x 240	
Length without protection enclosure	605	715	
Length with protection enclosure	730	730	
Splice Capacity (in # of fibers)	Splices at tray edges	Splices in mod	lules
Number of splice trays*	3	2	4
Single fiber**	72	48	96 (144)

Cable Ports

4 round ports for 1 cable each with ø range

Order information

Order mil	mation					
		FOSC-OPG	W- XX XXX - X - X X X	x		
Closure Size A4 FOSC 400 A4 B4 FOSC 400 B4 Type of splicing trays				 Shot gun protection enclosure C With protection enclosure N Without protection enclosur 2nd cable feed-through 		
Type of sp	Tray Optio	ns				OP
Closure	Splices at	Splices in				(A)
size	tray edges	modules				CC
A4	S08, S16, S24, A24	12, 16, 24				loos
B4	S12, S24, A24	12, 16, 24		Cable	Cable dia.	Max
(S or A for SMOUV or ANT splice protectors)			type	(mm)	dia.	
	· · · · ·			OPGW	9-12	7.5
# Pre-insta	alled travs				12-14	10.5
1. 2 or 3	For A4 closures				14-16	12.5
	For B4 closures				16-18	14
., 0				FO cable	5-19	N/A

re

		OPGW cable type (*)			
		(A)	(B)		
		CC with plastic Metal loose			
		loose tube	tubes only		
Cable	Cable dia.	Max. CC tube	Max. number		
type	(mm)	dia. (mm)	of metal tubes	Select	
OPGW	9-12	7.5	3	А	
	12-14	10.5	3	В	
	14-16	12.5	3	С	
	16-18	14	3	D	
FO cable	5-19	N/A	N/A	E	

(*) The selection of the feed-through depends on the type of cable. Typically OPGW cable consist of:

• central core with plastic loose tubes inside (column A)

or • metal loose tubes only (column B)

1st cable feed-through

Same options are for 2nd cable feed-through, except option E

Tyco Electronics Corporation 8000 Purfoy Road Fuquay Varina, NC 27526-9349 Tel: 919-557-8900 Fax: 919-557-8498 www.tycoelectronics.com www.telecomosp.com

Tyco Electronics, TE logo, SMOUV and FOSC 400 are trademarks.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, Tyco Electronics Corporation makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Tyco Electronics' obligations shall only be as set forth in Tyco Electronics' Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Tyco Electronics products should make their own evaluation to determine the suitability of each such product for the specific application.