



COYOTE® Dome Closure Cable Restraint Bracket (CRB) System for OPGW

The COYOTE® Dome Closure with the new Cable Restraint Bracket (CRB) System for OPGW.

GENERAL INFORMATION

The ORIGINAL COYOTE® Dome laid the foundation for innovative features including the Hinged Collar Quick Locking Dome, segmented end plates with independent cable port access, and simplified grommet sealing system that eliminates adhesives and epoxy cure times. All features help simplify installation and reduce labor without sacrificing a reliable hermetic seal that meets Telcordia Standard GR-771.

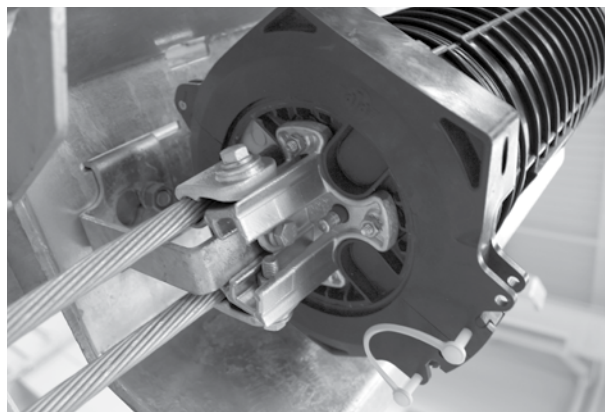
The COYOTE® Dome Closure CRB System for OPGW introduces the new Cable Restraint Bracket (CRB) helping the system exceed industry standards with improved cable retention and torque resistance similar to PLP's robust stainless steel splice case.

The CRB is mounted to the face of the dome end plate and secures the OPGW cables with a robust range taking clamp (Nominal Cable OD 3/8" - 3/4"). The system includes a mounting adapter that slides into the CRB for direct pole mount or convenient modular attachment to the new FIBERLIGN® Cable Storage 2 bracket and COYOTE® Defender 2 ballistic protection.

Key Features:

- Dome Sizes 6.5" x 17" and 6.5" x 22" for 48 and 144 max splice capacity, respectively.
- Standard Dome Kits include all necessary materials for cable prep, fiber routing, mounting (to storage & Defender*), and splicing (one tray).
- Range taking design eliminates costly cable connectors and simplifies inventory.
- Robust CRB* has improved cable retention and torque resistance (two cable entries).
- Grommet expandable 4 port end plate.
- Segmented end plate allows future cables without disturbing occupied ports.
- Materials included for substation drop or added OPGW cable*.
- CRB provides electrical continuity between OPGW cables, and end plate studs allow bonds to other cables.

*COYOTE® Dome Closure CRB System only



APPLICATION

OPGW cables have various designs that can be separated into two categories (a) Plastic Buffer Tube type and (b) Stainless Steel Buffer Tube type. The flexible Plastic Buffer tube can be coiled within the organizer of the Dome, whereas the ridged Stainless Steel buffer tube must be removed before coiling. The organizer for the Stainless Steel buffer tubes includes a transition compartment to help convert rigid tubes to flexible transport tubes and convenient fiber distribution into the splice trays.

Selecting the proper COYOTE® Dome (original or CRB System) for your OPGW application depends primarily on the fiber count, cable diameter, and buffer tube type of the OPGW. The tables below include a selection guide and cross reference for original and Dome Closure CRB System Kit details, and OPGW COYOTE® Dome accessories.

The original design will continue to be offered for customers having them on standards. The cross reference is provided to help transition from the original design to the CRB System – please contact PLP for help with the transition.

Selection Guide and Cross Reference for the Original and COYOTE® Dome Closure CRB System for OPGW				
OPGW Cable Application		Catalog Number		Dome Size
Buffer Tube Type	Max Single Fusion Fiber Capacity	Dome Closure CRB System for OPGW	Original Dome Closure for OPGW	Inches
Plastic (P)	48	COYW617P001	800012143	6.5" dia.x17" Long
	144	COYW622P001	800012145	6.5" dia.x22" Long
Stainless Steel (S)	48	COYW617S001	800012147	6.5" dia.x17" Long
	144	COYW622S001	800012149	6.5" dia.x22" Long

NOTE: Except for the Dome's new CRB, mounting adapter and maximum cable diameter of .75" (19mm), the Original COYOTE® Dome for OPGW includes common components and capabilities.

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ORDERING INSTRUCTIONS

1) DETERMINE DOME CLOSURE CAT. NO.: Obtain the OPGW cable specification to determine cable diameter, buffer tube type (plastic or stainless steel) and fiber count. Use the Selection Guide on the previous page to determine your Dome Closure catalog number.

NOTE: If the cable diameter is greater than .75", you may use the Original COYOTE® Dome Closure for OPGW or contact PLP for further options.

2) DETERMINE NUMBER OF SPLICE TRAYS REQUIRED: If the fiber count is greater than the single tray supplied with the Dome kit, order additional trays as required. Find the splice tray capacity and catalog number for respective dome kits in the following table.

3) DETERMINE INTERFACE FOR MOUNTING: The Mounting Adapter is included with the COYOTE® Dome Closure CRB System kits. The mounting adapter may be installed directly to the structure, to the FIBERLIGN® Cable Storage 2, to the COYOTE Defender 2, or to the Cable Storage & COYOTE® Defender 2. See the table on page 28-10 for catalog numbers covering each option. Each mounting scenario can be bolted to a wood pole, banded to a metal pole, or clamped to a lattice tower.

COYOTE® Dome Closure CRB System for OPGW						
COYOTE® Dome Closure CRB System Kit Information ¹					Modular Accessories ³	
Catalog Number	Description	Splice Tray ²	Transition Furcation Kit	Organizer Type	FIBERLIGN® Vertical Cable Storage 2	COYOTE® Defender 2
Dome KITS FOR PLASTIC BUFFER TUBE APPLICATION						
COYW617P001	6.5" dia. x 17" Long – COYOTE® Dome Closure CRB System for OPGW with Plastic Buffer Tubes. Kit includes (1) Splice Tray, (1) Organizer for Plastic Buffer tubes and Cable Restraint Bracket, (1) OPGW Green Sealant Kit, (6) Grommets, (1) Mounting Adapter.	Standard 12 ct. Tray Cat. No. 80806033, 1 included (fit 4 max)	NA	U-Brackets for Plastic (Flexible) Buffer Tube	Catalog No. 80061195 60" (1.5m) Cable Storage Bracket (See Page 26-17)	Catalog No. 80061194 Ballistic Protection for 6.5" COYOTE® Domes (see Page 26-20)
COYW622P001	6.5" dia. x 22" Long – COYOTE® Dome Closure CRB System for OPGW with Plastic Buffer Tubes. Kit includes (1) Splice Tray, (1) Organizer for Plastic Buffer tubes and Cable Restraint Bracket, (1) OPGW Green Sealant Kit, (6) Grommets, (1) Mounting Adapter.	Standard 36 ct. Tray Cat. No. 80805514, 1 included (fit 4 max)	NA	U-Brackets for Plastic (Flexible) Buffer Tube		
Dome KITS FOR STAINLESS STEEL BUFFER TUBE APPLICATION						
COYW617S001	6.5" dia. x 17" Long – COYOTE® Dome Closure CRB System for OPGW with Stainless Steel Buffer tubes. Kit includes (1) Splice Tray, (1) Organizer for SS Buffer tubes and Cable Restraint Bracket, (1) OPGW Green Sealant Kit, (6) Grommets, (1) Mounting Adapter, and Furcation Kits	Standard 12 ct. Tray Cat. No. 80806033, 1 included (fit 4 max)	Included	Transition Compartment for Stainless Steel (Rigid) Buffer tube		
COYW622S001	6.5" dia. x 22" Long – COYOTE® Dome Closure CRB System for OPGW with Stainless Steel Buffer tubes. Kit includes (1) Splice Tray, (1) Organizer for SS Buffer tubes and Cable Restraint Bracket, (1) OPGW Green Sealant Kit, (6) Grommets, (1) Mounting Adapter, and Furcation Kits	Standard 36 ct. Tray Cat. No. 80805514, 1 included (fit 4 max)	Included	Transition Compartment for Stainless Steel (Rigid) Buffer tube		

¹All Standard Closures are provided with (2) 8003691 grommets, (2) 8003692 grommets, and (2) small OD grommet kits for OPGW cable diameters .30" to .75" (8 mm - 19 mm).

Catalog Code COYWxxxxzzz, COYW = COYOTE® Dome Closure CRB System for OPGW, x = Closure size, y = buffer tube type (P or S), and z = kit no. (standard = 001) Optional grommets found in the grommet selection guide in this section can expand the number of cable entries per port and accommodate various sizes.

²Along with one tray, all closure kits include OPGW Sealant Kit #80812321 and Heat Shrink Splice Protectors to match tray count.

³See catalog sections covering FIBERLIGN® Cable storage and COYOTE® Defender Ballistic protection for further information.

Download Cushions for training cable down the structure can be found in the FIBERLIGN® OPGW & ADSS accessories section.

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OPGW COYOTE® DOME CLOSURE ACCESSORIES	
Catalog Number	Description
SPLICE TRAYS	
80806033	Standard Short Splice Tray, 12 splice count for 6.5" x 17" Dome
80805514	Standard Long Splice Tray, 36 splice count for 6.5" x 22" Dome
TRANSITION FURCATION KITS FOR STAINLESS STEEL BUFFER TUBE*	
800011212	Furcation Kit for SS buffer tubes O.D. range .133" - .154"
800011381	Furcation Kit for SS buffer tubes O.D. range .118" - .126"
800011382	Furcation Kit for SS buffer tubes O.D. range .102" - .110"
800011563	Furcation Kit for SS buffer tubes O.D. range .063" - .098"
*Contact PLP or refer to SP2963 for further information about Transition Furcation Kit Applications. Each kit includes materials sufficient for 2 OPGW cable entries with 3 buffer tubes each.	
OPGW CABLE PREP AND FIBER MATERIALS	
80812321	CRB System OPGW Green Sealant Kit and Attachment Kit, includes long & short strength member brackets
8003509	60 mm Heat Shrink Splice Protectors, 12 pack
8003280	Transition Tube kit, (protects fiber routed from SS buffer tube to transition tray)
80805293	Transport Tube kit, (protects fiber routed from transition tray to splice trays)
CABLE STORAGE & BALLISTIC PROTECTION**	
80061195	FIBERLIGN® Cable Storage 2 for OPGW, 60" Loop
80061194	COYOTE® Defender 2 for 6.5" Dome applications, Galvanized Steel 7 Gauge
80812335	COYOTE® Dome Closure CRB System "Direct" Mounting Clamp for 6.5" Dome. Secures top end of Dome
7000400	FIBERLIGN® Lattice Tower Clamp – 2 required for Defender or Direct Mount to Lattice Tower.
**COYOTE® Dome Kits include a Mounting Adapter that can vertically mount the Dome directly to wood poles or band to metal poles. The modular design of the mounting adapter can be mounted to the FIBERLIGN® Cable Storage 2 and COYOTE Defender 2 as well.	
OTHER ORIGINAL DOME ACCESSORIES	
80003754	Original OPGW Dome Green Sealant Kit and Attachment Kit, includes long & short strength member brackets
8003702	Original COYOTE® Dome Vertical Mounting Bracket
800012162	COYOTE® Defender for the Original COYOTE® Dome
8003569	FIBERLIGN® Cable Storage for the Original COYOTE® Dome Closure



CRB System including Defender 2 and Cable Storage 2



CRB engages Mounting Adapter