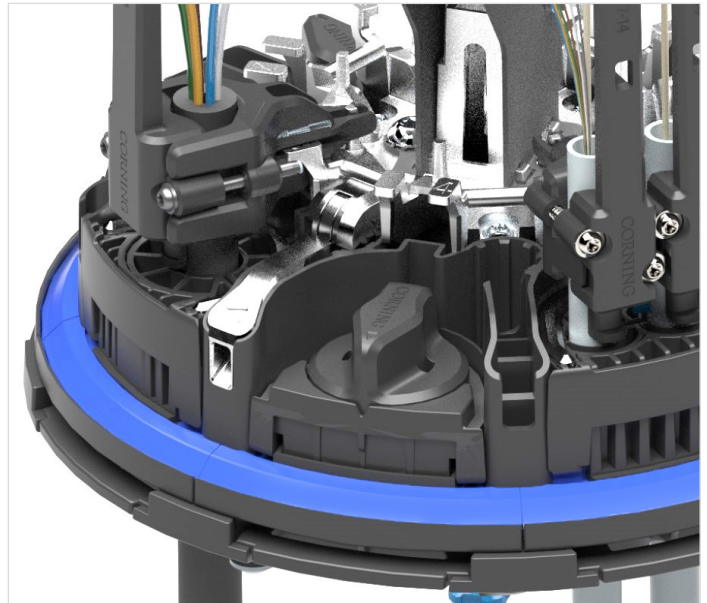


Evolv[®] FRECAP Closure with 2541 Fiber Tray



Evolv[®] FRECAP Closure



Evolv[®] FRECAP Closure Endcap

The Evolv[®] FRECAP Closure is a fiber optic enclosure designed for quick, easy installations without compromising the reliability or sealing of previously installed cables in any ports.

The closure features eight independent cable entries with gel sealing material, forming a ring to seal the closure. This integrated sealing ring, combined with individual sealing mechanism, removes the chance to forget an O-ring or fail to seal any single cable port.

Gel cable entry segments are compatible with various cable types and accommodates a wide range of cable diameters and microducts. Each port can also accept uncut cables.

The cable entry segments feature an intuitive, user-friendly sealing mechanism, making it easy to add, remove or change cables and eliminating the risk disrupting or unsealing previously installed cables. Activating the individual segment seal involves a simple lever mechanism and only takes few seconds with a standard screwdriver, eliminating the need for special tools.

The fiber organizer utilized in the Evolv FRECAP Closure is based on the 2541 splice tray. These trays offer a wide range of splicing inserts and optimized storage to splice various types of cables and fibers like single fiber splicing (standard density 3 mm fusion sleeve and high density 2.4 mm fusion sleeves) and ribbon splicing of both standard flat matrix and Flow (rollable) ribbon.

The 2541 trays are individually hinged and locked on top of an adjustable basket (included) which provides a large slack storage space. Foldable separation tabs enable the installer to store different layers of cables (i.e., main, branch, and drop) in the same basket.

The Evolv® FRECAP Closure can accommodate two types of 2541 trays:

- 2541 Standard Tray (1/2-inch thickness) – recommended for single fiber and Flow (rollable) ribbon splicing to reach the maximum capacity of splices.
- 2541-R Deep Tray (1-inch thickness) – recommended for standard flat matrix ribbon storage and splicing
- Both 2541 Standard and Deep Trays can accommodate splitters and WDM modules.
- Trays can be mix-matched based on end use



Evolv® FRECAP Closure

Features	Benefits
Integrated Cover-to-Base Seal	Integrated sealing system replaces O-ring and ensures a proper fit, preventing any oversight or potential failure during installation
8 Independent Gel Sealing Segments	Quick-and-easy cable installation without compromising previously installed cables thus reducing both installation and re-entry costs
Gel Compression	Installation process eliminates the need for rework or errors, saving time and resources
Complete Range of Sealing Segments	Cost-effective and future-proof solution through multiple entry points to add branch or drop cables without disrupting existing cables
Basket Capacity and Separation	Scalable basket balances slack and splice capacity. Foldable tabs enable three layers of slack separation within the basket
Trays for All Applications	Standard and high-density single splices, flat matrix, and Flow (rollable) ribbon splicing

Evolv FRECAP Closure Specifications

Design	
Closure shape	Dome
Sealing type	Mechanical gel sealing, reusable
Cable entry segments	8
Number of cable ports per segment	1 to 4
Cable diameter range	5 to 28 mm (0.2 to 1.1 in)
Working environment	Manhole/underground/wall/pole/strand
Temperature range, operation	-40°C to +65°C
IP rating	IP68, IEC 61753 6-m water immersion
Maximum single splice capacity	768 (2.4 mm sleeves)
Maximum ribbon splice capacity	2304 with Flow / rollable ribbon, 1152 with standard ribbon

Specifications (continued)

Mechanical Characteristics	
Outer diameter (without / with clamping ring)	274 mm (10. 8 in) / 316 mm (12.44 in)
Length	Medium: 605 mm (23.8 in) Large: 735 mm (29 in)

Closure Splicing Capacities by Slack Storage										
	2541 Thin Tray					2541-R Deep Tray				
Basket Position	# of Trays	SF 3.0 mm	SF 2.4 mm	Ribbon Standard	Ribbon Flow	# of Trays	SF 3.0 mm	SF 2.4 mm	Ribbon Standard	Ribbon Flow
Min	8	384	768	1152	2304	4	182	384	1152	1152
Medium	7	336	672	1008	2016	3	144	288	864	864
Max	6	288	576	864	1728	3	144	288	864	864

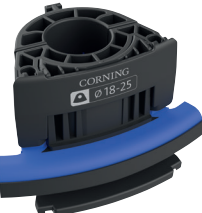
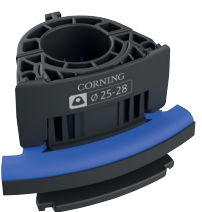
Splice Tray Capacity				
2541 Thin	48 Single Splice 3.0 mm	96 Single Splice 2.4 mm	144 Ribbon splices (Standard ribbon)	288 Ribbon splices (Flow ribbon)
2541-R Deep	48 Single Splice 3.0 mm	96 Single Splice 2.4 mm	288 Ribbon splices (Standard ribbon)	288 Ribbon splices (Flow ribbon)

Ordering Information

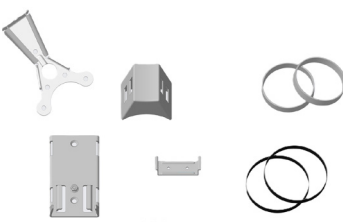
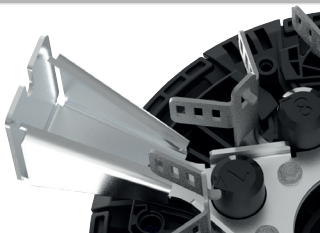
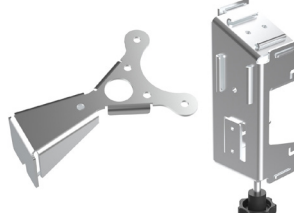
Part Number	SAP ID	Description	Kit Content	MOQ	Order Multiples
EFC-M-1R-C-2D-2F-4B-1N	1323475	FRECAP-M Closure, 1 TR, 6 CAB, 18-25 mm, 1 GND	Evolv® FRECAP Closure-Medium size dome (10 in x 23 in) with: 1 scalable slack storage basket 1 Deep Tray 2541 ft w/ 4 inserts for RF splicing (288 RF splices per tray) and 4 inserts high density for SF splicing (96 SF splices per tray), sleeve not included, 8 cable ports 2 cable entry segments for 18-25 mm OD cables 2 cable entry segments for 2 cables 7-14 mm OD 4 Blank sealing segments 1 Ground stud 1 Valve	1	1
EFC-L-1R-C-2D-2F-4B-1N	1323473	FRECAP-L, 1 TR, 6 CAB, 18-25 mm, 1 GND	Evolv FRECAP Closure-Large size dome (10 in x 29 in) with: 1 scalable slack storage basket with extender 1 Deep Tray 2541 ft w/ 4 inserts for RF splicing (288 RF splices per tray) and 4 inserts high density for SF splicing (96 SF splices per tray), sleeve not included, 8 cable ports 2 cable entry segments for 18-25 mm OD cables 2 cable entry segments for 2 cables 7-14 mm OD 4 Blank sealing segments 1 Ground stud 1 Valve	1	1
EFC-M-1S-C-2D-2F-4B-1N	1323474	FRECAP-M, 1 TR thin, 6 CAB, 18-25 mm, 1 GND	Evolv FRECAP Closure-Medium size dome (10 in x 23 in) with: 1 scalable slack storage basket 1 Thin Tray 2541 ft w/ 4 inserts for RF splicing (288 RF splices per tray) and 4 inserts high density for SF splicing (96 SF splices per tray), sleeve not included, 8 cable ports 2 cable entry segments for 18-25 mm OD cables 2 cable entry segments for 2 cables 7-14 mm OD 4 Blank sealing segments 1 Ground stud 1 Valve	1	1

Part Number	SAP ID	Descriptions	Kit Content	MOQ	Order Multiples
Accessories					
FC2-SEG-BLIND	1288360	FRECAP Blind Segment	FRECAP Blind Segment	10	10
FC2-SEG-1X18-25	1290374	FRECAP Cable Entry 1x 18-25 mm	FRECAP Cable Entry 1x 18-25 mm	10	10
FC2-SEG-1X12-18	1290373	FRECAP Cable Entry 1x 12-18 mm	FRECAP Cable Entry 1x 12-18 mm	10	10
FC2-SEG-2X7-14	1288359	FRECAP Cable Entry 2x 7-14 mm	FRECAP Cable Entry 2x 7-14 mm	10	10
FC2-WALL-POLE-MNT	1290375	FRECAP Wall//Pole Mounting Set	FRECAP Wall/Pole Mounting Set	1	1
FC2-INSTALL-HOLDER	1290376	FRECAP Table Installation Mount	FRECAP Table Installation Mount	1	1
2541	1059690	2541-288-MF-12RF	2541 Standard thin tray	2	2
2541-R	1311580	2541-R-288-MF-12RF	2541-R Deep Ribbon tray	2	2

Ordering Information

Part Number	Description			
Cable Entry Segments		Gel Segment	Cable/CSM Clamp	Gel Compression
FC2-SEG-1x12-18	1 port for cables 12-18 mm or 12-, 14-, and 16-mm mini ducts Includes strain-relief and gel compression mechanism, MOQ 10			
FC2-SEG-1x18-25	1 port for cables 18-25 mm Includes strain-relief gel and gel compression mechanism, MOQ 10			
FC2-SEG-1x25-28	1 port for cables 25-28 mm Includes strain-relief gel and gel compression mechanism, MOQ 10			
FC2-SEG-2x7-14	2-ports for cables 7-14 mm or 7-, 10-, and 12-mm mini ducts Includes strain-relief and gel compression mechanism, MOQ 10			
FC2-SEG-4x5-8	4-port for cables 5-8 mm or 7-mm mini ducts Includes strain-relief, dummy plugs, and gel compression mechanism, MOQ 10			
FC2-SEG-BLIND	Blind segment, MOQ 10			

Ordering Information

Part Number	SAP ID	Description		
Accessories				
FC2-WALL-POLE-MNT	1290375	Wall/pole-mount installation bracket		
FC2-INSTALL-HOLDER	1290376	Table installation bracket		

Part Number	Description	Kit Content
Splice Trays		
2541-R-288-MF-12RF	2541-R Deep tray (1-in thick) with 4 ribbon inserts (sleeves not included), total 288 ribbon fibers per tray	
80611329550 (2541-144-MF-12RF)	2541 Thin tray (0.5-in thick) with 2 inserts, (sleeves not included), total 144 ribbon fibers per tray	
80611329543 (2541-48-SF-3.0MM)	2541 Thin tray (0.5-in thick) with 4 inserts, to be used with 3.0 mm sleeves (not included), total 48 single fibers per tray	
2541-288-MF-12RF	2541 Thin tray (0.5-in thick) with 4 inserts (sleeve not included), total 288 ribbon fibers per tray (Flow/rollable ribbon only)	
2541-96-SF-2.4MM	2541 Thin tray (0.5-in thick), with 4 high-density inserts, to be used with 2.4 mm sleeves (not included), total 96 single fibers per tray	

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