CORNING
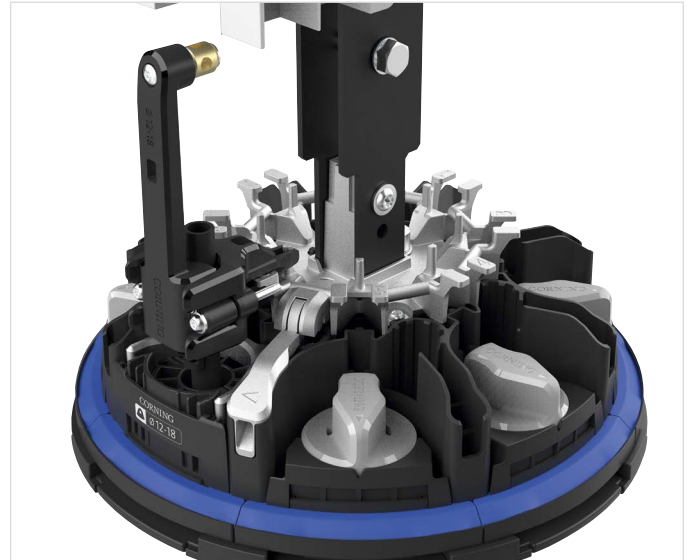
FRECAP 2 Closure with MAX Fibre Management

FRECAP 2 Closure

Closeup of FRECAP 2 Endcap

The FRECAP 2 fiber optic enclosure has been developed to install it easier and faster without compromising on the reliability, sealing or safety of existing connections. The closure can be installed with a standard screwdriver, eliminating the need for special tools.

The **integrated sealing ring** combined with "lever" closing clamp eliminates the possibility of errors or rework, as it cannot be forgotten or incorrectly installed – all that in just a few seconds. This eliminates the potential for any resulting problems.

The closure features **eight independent cable entries**, each made of a segment using gel as sealing material. Segments and multiple cable entries provide compatibility to most micro ducts and cable types and diameters. Every port can also accept uncut cable.
Segments features an easy-to-use and intuitive activation mechanism, making it simple to add, remove or change cables eliminating the risk of errors during installation as neighboring segments and installed cables do not have to be loosened or moved, ensuring a fast, smooth, and reliable process. Locking the segment is clearly visible and only takes few seconds.

FRECAP2 is re-using the existing proven MAX fibre management and tray system used in FRECAP1 and other Corning products allowing perfect integration of splitter and WDM modules.

FRECAP 2 represents a significant achievement in Corning's **over 50-year history** of manufacturing copper and fibre optic cable Closures, which are characterized by the highest quality and are used successfully by the largest global telecommunications companies.

We manufacture the FRECAP 2 for you in our production facilities in Strykow and Hagen, which helps us to realise short transport routes and delivery times. We mainly use cardboard and paper for packaging.

MAX Fiber Management System

The MAX Fiber Management System (FMS) can be used with either single-circuit (SC 5 mm), single element (SE 10 mm) trays, or a mixture of both. One slot unit is required for the SC tray and two are required for the SE tray. Two SC trays can be replaced by one SE tray, or vice versa. Additional trays for optical splitters, water sensors, or mechanical splices are available. Splice trays can be equipped with numbered and colored rings for fast and secure access with bending control and the possibility of changing the fiber direction. MAX organizer allows storage of uncut buffer tubes.

MAX Splice Tray System in FRECAP 2

Features and Benefits
Closure is designed for seamless integration into existing networks, with focus on ease and speed of installation without compromising the reliability, reducing both CAPEX and OPEX
Installation process eliminates the need for rework or errors, saving time and resources.
Integrated sealing system replaces O-ring and ensures a proper fit, preventing any oversight or potential failure during installation.
Eight independent sealing segments, allow maximum security and flexibility.
Cost-effective and future proof solution through multiple entry points to add branch or drop cables without disrupting existing cables
Compatible with standard microducts (SNR) and cable types and diameters
Applicable as direct buried or in duct solution, for installation on telephone poles or in street cabinets
Use of proven MAX fibre management system (FMS) allowing perfect integration of splitters and WDM modules
Up to 1,440 splices using 5 mm cassettes and crimp splice protection
IP68

FRECAP 2 gel-sealed dome closure

Design Specifications	
Closure shape	Dome
Sealing type	Mechanical gel sealing, reusable
Cable entry segments	8
Number of cable entries per segment	1 to 4
Cable/duct diameter range	5 mm to 28 mm
Working environment	Manhole/underground/wall/pole
Temperature range, operation	–40°C to +65°C
IP rating	IP68 (optional valve for pressure testing)
Fiber management system	MAX
Splice tray type	SC/SE
Heat shrink/Crimp splice count per SC tray	6/12
Heat shrink/Crimp splice count per SE tray	12
Max. number of splice trays MAX 48	48 SC/24 SE (using both sides of the frame)
Max. number of splice trays MAX 72	72 SC/36 SE (using both sides of the frame)
Max. number of splice trays MAX 120	120 SC/60 SE (using both sides of the frame)
Splitter trays	On demand
Trays pre-installed	On demand
Water sensor tray	On demand
Extra buffer storage system	On demand

FRECAP 2 Size S

FRECAP 2 Size M

FRECAP 2 Size L

FC2-S-MAX-00000000000-WW

FRECAP 2 Size S
Includes:
• Fiber management 2 × 24 slots

Items to be ordered separately:
• Splice trays
• Sealing segments
• Strain-reliefs

FC2-M-MAX-00000000000-WW

FRECAP 2 Size M
Includes:
• Fiber management 2 × 36 slots

Items to be ordered separately:
• Splice trays
• Sealing segments
• Strain-reliefs

FC2-L-MAX-00000000000-WW

FRECAP 2 Size L
Includes:
• Fiber management 2 × 60 slots

Items to be ordered separately:
• Splice trays
• Sealing segments
• Strain-reliefs

Specifications

	Size S	Size M	Size L
Dimension			
Outer diameter $_{(Da)}$ (without/with clamping ring)	274 mm / 316 mm		
Length $_{(La)}$	530 mm	605 mm	735 mm
Splice tray organizer – Capacity			
Slots*	48	72	120
SC trays (5 mm)	48	72	120
SE trays (10 mm)	24	36	60
Cable Entry			
Sealing technology	Gel, reusable		
8 cable entries	Ducts or cut and uncut cables, 12–28 mm (12–18, 18–25 or 25–28 mm)		
Each of these entries can be used with			
2 fold multicable entries	Ducts or cut and uncut cables, 7–14 mm		
4 fold multicable entries	Ducts or cut and uncut cables, 5–8 mm		

*SC tray 1 slot / SE tray 2 slots trays can be mixed and placed in the organizer as needed
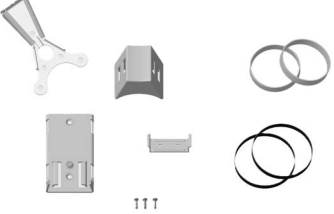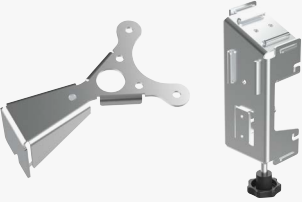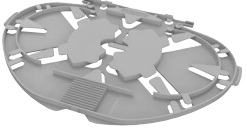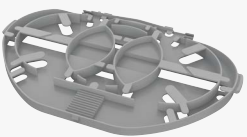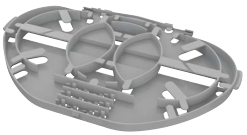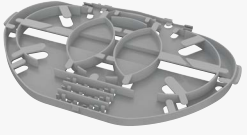
Cable entry segments

Part Number	Description	Segment	Strain Relief	Segment Closing
FC2-SEG-1x12-18	1 fold for cables 12–18 mm or 12, 14, and 16 mm mini ducts Includes strain-relief Pack 10 pcs			
FC2-SEG-1x18-25	1 fold for cables 18–25 mm Includes strain-relief Pack 10 pcs			
FC2-SEG-1x25-28	1 fold for cables 25–28 mm Includes strain-relief Pack 10 pcs			
FC2-SEG-2x7-14	2 fold for cables 7–14 mm or 7, 10, and 12 mm mini ducts Includes strain-relief INSERT (7, 10 mm gas-and water blocker (EZA); 12, 14 mm EZA with outer diameter <19 mm) and dummy plugs Pack 10 pcs			
FC2-SEG-4x5-8	4 fold for cables 5–8 mm or 7 mm mini ducts Includes strain-relief and dummy plugs Pack 10 pcs			
FC2-SEG-BLIND	Blind segment Pack 10 pcs			

Typical Configurations Examples

Part Number	Description	Application
FC2-S-MAX-00000000000-WW	FRECAP 2 Closure, Size S, Max splice trays Organiser for 2 × 24 Slots Items to be ordered separately: splice trays, sealing segments, strain-relief	
FC2-M-MAX-00000000000-WW	FRECAP 2 Closure, Size M, Max splice trays Organiser for 2 × 36 Slots Items to be ordered separately: splice trays, sealing segments, strain-relief	
FC2-L-MAX-00000000000-WW	FRECAP 2 Closure, Size L, Max splice trays Organiser for 2 × 60 Slots Items to be ordered separately: splice trays, sealing segments, strain-relief	
FC2-S-MAX-096C2T00000-WW	FRECAP 2 Closure, Size S, 48 SC (5 mm) trays ANT, 2 × 2 fold segment 7–14 mm, 6 blind segments	Distribution 96F Cable in Single Circuit, 5 mm Tray with crimp splice protection
FC2-S-MAX-144A2T00000-WW	FRECAP 2 Closure, Size S, 12 SC (5 mm) trays ANT, 2 × 2 fold segment 7–14 mm, 6 blind segments	Distribution 144F Cable Single Element with crimp splice protection
FC2-S-MAX-144E2T00000-WW	FRECAP 2 Closure, Size S, 12 SE (10 mm) trays ANT, 2 × 2 fold segment 7–14 mm, 6 blind segments	Distribution 144F Cable in Single Element with crimp splice protection
FC2-M-MAX-144C2A00000-WW	FRECAP 2 Closure, Size M, 72 SC (5 mm) trays ANT, 2 × 1 fold segment 12–18 mm, 6 blind segments	Distribution 144F Cable in Single Circuit (SC) with crimp splice protection
FC2-M-MAX-288A2A00000-WW	FRECAP 2 Closure, Size M, 24 SC (5 mm) trays ANT, 2 × 1 fold segment 12–18 mm, 6 blind segments	Distribution 288F Cable in Single Element with crimp splice protection
FC2-L-MAX-288H1A1TB00-WW	FRECAP 2 Closure, Size L, 24 SE (10 mm) trays HS, 1 × 1 fold segment 12–18 mm, 1 × 2 fold Segment 7–14 mm, 6 blind segments, with outer cable bracket	Distribution 288F Cable in Single Element with heat shrink splice protection

Accessories

Part Number	Description	Abbildung
FC2-CBL-STRAIN-REL	Outer cable bracket	
FC2-WALL-POLE-MNT	Wall/pole installation mount	
FC2-INSTALL-HOLDER	Table installation mount	
S46998-A2-R117	Additional buffer tubes storage for fibers	
S46998-A002-R497	SC splice tray, 1 slot 12 × crimp 1 = Pack of 6	
S46998-A2-R95	SE splice tray, 2 slots 12 × crimp 1 = Pack of 3	
S46998-A2-R94	SC splice tray, 1 slot 6 × heat shrink 1 = Pack of 6	
S46998-A2-R96	SE splice tray, 2 slots 12 × heat shrink 1 = Pack of 3	

Accessories

Part Number	Description	Abbildung
S46998-A2-R316	SE multi-purpose tray, 2 slots, for splitter or water sensor, black	
S46998-A2-R230	SE splitter tray black 1 splitter 1:2	
S46998-A2-R231	SE splitter tray black 1 splitter 1:4	
S46998-A2-R232	SE splitter tray black 1 splitter 1:8	
S46998-A2-R233	SE splitter tray black 1 Splitter 1:16	
S46998-A2-R234	SE splice tray with 1:32	
S46998-A2-R152	Cover for SC splice tray	
S46998-A2-R153	Cover for SE splice tray	
S46998-A19-R20	Grounding kit For cable with metal elements	
HSP-45S100-1	Heat-shrink splice protector, 45 mm	
CSP-1	Crimp splice protector, 30 mm	

CORNING