

# UCNCP Dome Closure with Evolant® MAX Fiber Routing System

Evolant® Solution Products  
Product Description

## Application

The Evolant® MAX Fiber routing and management system is designed to easily handle bare fibers and provide the most flexibility within interconnection, branching, distribution or access levels.

The Evolant® MAX is the new Corning Cable Systems standard for fiber routing end-management and is commonly used for closures, wall boxes, ODFs and cabinets.

## Features

The family of UCNCP Universal Dome Closures are designed to give the maximum protection for the installed network against environmental influences. The UCNCP Evolant® MAX closures can be used in various environments:

- Direct buried
- Ducts and manholes
- Aerial and poles
- IP 68

Sales & Marketing Carrier EMEA



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## Closure End Caps

Two end cap designs for the UCNCP are available - mechanical cable entry or heat-shrink cable entry sealing. All end caps are provided with a feed-through for external grounding or to insert a valve for flash testing.

Mechanically two-section end caps are paired with two pre-fabricated cable entries in the intersection for the installation of uncut cables. Six cable ports are available for branching cables sealed with silicone compression fittings.

Heat-shrink end caps are designed with one oval cable entry port to accommodate the installation of uncut cables and seven circular ports for the cable entry of branching cables.



Mechanical End Cap



Heat-Shrink End Cap

## Closure Strain Relief System

Strain relief is provided for the cable outer sheath and for the central strength member to combat mechanical forces. It is compatible with most common cables.

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Each tray can be marked individually for identification and registration

## Evolant® MAX Fiber Routing and Management System

The Evolant® MAX Fiber routing and management system is built with an aluminum frame and pre-assembled with six-fold guiding units for the splice trays. These guiding units are on both sides of the frame or individually stacked with large buffer tube storage. If the buffer storage is removed, it is easy to snap in the guiding units to enlarge the splice tray capacity. The fiber itself is guided from the fixed cable end through distribution channels and threaded into the trays directly through the rotation point of the splice tray hinge. This patented method guarantees no stress on the fibers and will prevent any attenuation increases in case of future tray access. The minimum bending radius requirement is 30 mm.

## Splice Trays

The Evolant® MAX system can be used for access network applications with either single circuit (SC) or single element (SE) trays or a mixture of both, in accordance with the network requirements. One raster 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.

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## Specifications

Closure Type	UCNCP 9-20 MAX	UCNCP 9-24 MAX	UCNCP 9-28 MAX
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### Dimension (mm)

L Mechanical	525	600	730
L Heat-Shrink	595	670	800
D1	306	306	306
D2	225	225	225

### Capacity (pcs)

without extra buffer storage

SC trays	48	72	120
SE trays	24	36	60
SC heat-shrink splices up to 6/tray	288	432	720
SC crimp splices up to 12/tray	576	864	1440
SE heat-shrink splices up to 12/tray	288	432	720
SE crimp splices up to 12/tray	288	432	720
No. of raster units (sixfold)	2 x 4	2 x 6	2 x 10

### Cable Sheath Opening, typical (m)

Uncut cables	3.6	3.8	4.1
Branching cables	1.8	1.9	2.05

### Uncut Buffer Storage (no. of cables x m)

Between double stack	5 x 3.6	6 x 3.8	8 x 4.1
In extra buffer storage	12 x 3.6	18 x 3.8	25 x 4.1

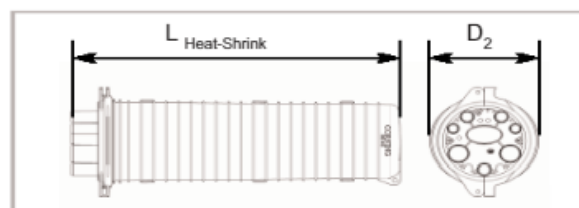
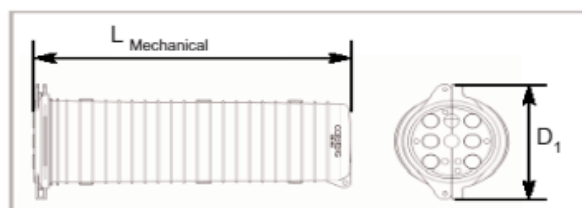
### Number and Diameter of Cable Entries (mm)

#### Mechanical End Cap

2x cut or 1x uncut cable	12 - 32	12 - 32	12 - 32
Branching cable	6 x 12 - 25	6 x 12 - 25	6 x 12 - 25

#### Heat-Shrink End Cap

2x cut or 1x uncut cable	12 - 37	12 - 37	12 - 37
Branching cable	2 x 8 - 20 3 x 14 - 25 2 x 18 - 42	2 x 8 - 20 3 x 14 - 25 2 x 18 - 42	2 x 8 - 20 3 x 14 - 25 2 x 18 - 42



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## Ordering Information

Order No.	Pos. Type		Description	Max No. of Trays	
				SC	SE
<b>Dome Closure with mechanical end cap:</b>					
	Closures incl. necessary material to install and ground 3 cables. Splice trays, splice protection and fixing device must be ordered separately				
S46998-A2-A160	1	UCNCP 9-20 MAX	Dome closure with mechanical end cap	48	24
S46998-A2-A117	2	UCNCP 9-24 MAX	Dome closure with mechanical end cap	72	36
S46998-A2-A118	3	UCNCP 9-28 MAX	Dome closure with mechanical end cap	120	60
S46998-A2-A163	4	UCNCP 9-20 MAX	Dome closure with extra buffer storage and mechanical end cap	24	12
S46998-A2-A164	5	UCNCP 9-24 MAX	Dome closure with extra buffer storage and mechanical end cap	36	18
S46998-A2-A165	6	UCNCP 9-28 MAX	Dome closure with extra buffer storage and mechanical end cap	60	30
<b>Dome Closure with heat-shrink end cap:</b>					
	Closures incl. necessary material to install and ground 2 cables. Splice trays, splice protection and fixing device must be ordered separately				
S46998-A2-A180	7	UCNCP 9-20 MAX HS	Dome closure with heat-shrink end cap	48	24
S46998-A2-A181	8	UCNCP 9-24 MAX HS	Dome closure with heat-shrink end cap	72	36
S46998-A2-A182	9	UCNCP 9-28 MAX HS	Dome closure with heat-shrink end cap	120	60
S46998-A2-A183	10	UCNCP 9-20 MAX HS	Dome closure with extra buffer storage and heat-shrink end cap	24	12
S46998-A2-A184	11	UCNCP 9-24 MAX HS	Dome closure with extra buffer storage and heat-shrink end cap	36	18
S46998-A2-A185	12	UCNCP 9-28 MAX HS	Dome closure with extra buffer storage and heat-shrink end cap	60	30