

# UCAO MFT 7

## Inline Closure with Multi-Function Tray (MFT)

An Evolant® Solutions Product  
Product Description

### Application

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The UCAO Closure provides environmentally protected sealing on splices of fiber optic cables. In addition, the unit provides excellent cable strain relief and space for excess buffer tube storage. It can be installed with all common cable sheaths and is suitable for buried, duct and aerial applications. Due to its compact design, it is ideal for the connection of low to medium number of distribution cables. The ease of opening and closing makes this closure ideal for access networks.



Inline Closure UCAO MFT 7

### Features

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- Suitable for buried, duct and aerial lines
- For straight and branching application
- Fast and easy access to individual splice trays
- Capacity for up to 168 splices
- Closure sealing made of re-usable silicone
- IP 68

### Design

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The body of the closure consists of two half shells made of plastic that is resistant against all common environmental influences. The intersection of the half shells is sealed with a reusable silicone ring. The closure has an integral hinge on the top and five stainless steel and plastic tensioners on the bottom.

The tensioners can be closed by hand and easily opened with a screwdriver. To prevent unauthorized access, an anti-access device option can be installed on the clips. The two cable entries on each endface of the closure can accommodate cables with outer diameters of up to 21 mm. The cable entries are placed between the cable entry wedges in the lower half shell. Alternatively, a closure with sealing wedges, each containing one port with compression fittings, is available.

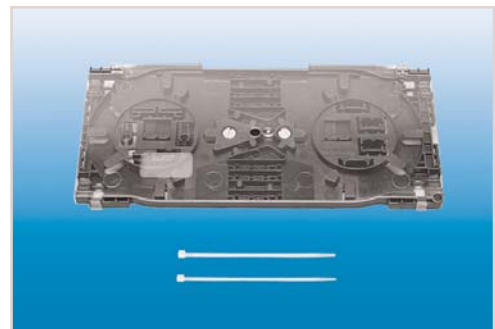
These ports simplify the installation of branching cables in the event of future demand. Both the cable sheath and the

central members are strain relieved with clamps locked into the lower half shell. The same clamps provide an electrical connection and external grounding if required. The tightness of the closure can be flash-tested by using the optional tightness testing set.

### Features Multi-Function Tray:

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- Up to 7MFT trays, locked in position
- Up to 24-fiber splice capacity per tray
- Minimum fiber bend controls
- Individual tray access
- Multiple tray mounting access



MFT splice tray

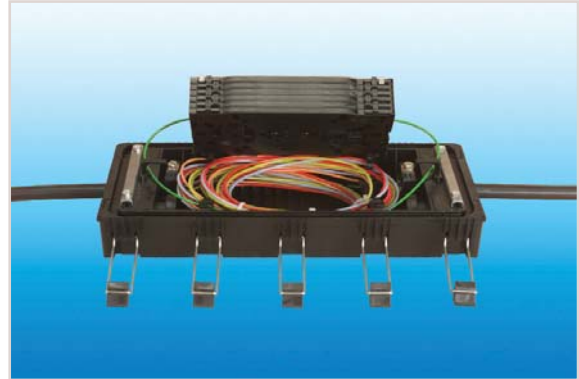
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### Fiber Management

The splice trays will be inserted into the lower half shell. It can accommodate between two and up to seven MFT splice trays with a fast and easy single tray access. The buffer tubes can be installed directly up to the splice trays. With an optional buffer adapter set the fibers from one tube can be separated and routed into differently tubes. Alternatively, fibers from different tubes can be brought together into one tube. Each MFT splice tray provides 4 buffer tubes entries.



Management of the Buffer Tubes

### Specifications

Type	Number and Outer Diameter of Cable	Number of MFT Splice Trays	Splice Capacity	Length of Buffer Tubes (mm)
UCAO 4-9 Standard	4 x up to 21 mm	up to 7 (min. 2)	168	1500 (cut) 2400 (uncut)
UCAO 4-9 with Compression Fittings	2 x up to 21 mm 2 x 8 to 13 mm	up to 7 (min. 2)	168	1500 (cut) 2400 (uncut)

### Dimensions

Type	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
UCAO 4-9	378	160	118	2.4
UCAO 4-9 with Compression Fittings	404	160	118	2.4

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### Kit Content

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Each closure kit contains all parts for installation of a straight joint including the equipment for fiber management. Application specific accessories such as splice trays and splice protectors have to be ordered separately.

### Closure Content

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1. Closure with tensioners
2. Strain relief with screw and contact plate
3. Sealing wedge with metal bracket
4. Sealing tape
5. Sealing
6. Cleaning tissue
7. Screws for sealing wedge
8. Dummy plug
9. Wrap gauge
10. Grounding screw
11. Shield connection lead
12. Tray holder
13. Holder for locking element
14. Buffer holder
15. Strain relief for central member
16. Screws
17. Installation instructions

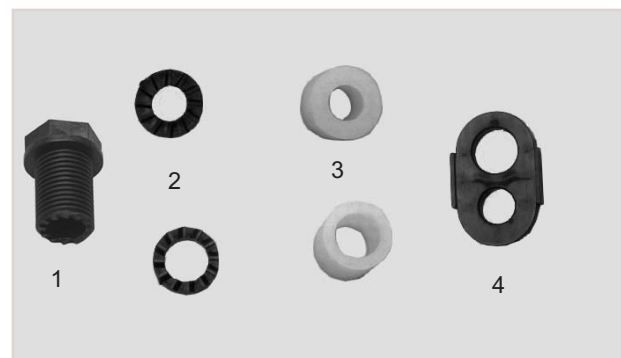


Kit Content UCAO MFT7

### Components for Cable Entry Wedge with Compression Fittings

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1. Threaded plug
2. Washer
3. Sealing
4. Supporting plate



Compression Fittings

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### Ordering Information

Order No.	Pos.	Type		Pieces
<b>Inline Closure with external grounding:</b>				
Closures with necessary material to install and ground 2 cables. For additional cables, the following parts must be used: Branching set and Sealing tape. Splice trays, covers for splice trays, splice protection and fixing device must be ordered separately.				
S45754-A3-A60	1	UCAO MFT 7	UCAO Inline Closure for 7 MFT splice trays	1 set
<b>Inline Closure with compression fittings, with external grounding:</b>				
Closures with necessary material to install and ground 2 cables. For additional cables, the following parts must be used: Branching set Splice trays, covers for splice trays, splice protection and fixing device must be ordered separately.				
S45754-A3-A59	2	UCAO MFT 7 with compression fittings	UCAO Inline Closure for 7 MFT splice trays	1 set

### Accessories

Order No.	Pos.	Type	Description	Pieces
S46998-A4-A60	3	Splice tray MFT	For 24 shrink splice protection	10
S46998-A4-A61	4	Splice tray MFT	For 24 crimp splice protection	10
S46998-A4-A48	5	Cover for Splice tray MFT		10
S46998-A6-R1	6	Branching set UCAO without comp. fittings	Cable and central member strain relief and shield connection for 10 cables	1 set
S46998-A6-R2	7	Grounding set	For 10 cables	1 set
S45754-A3-R25	8	Branching set UCAO with compression fittings	Set with gland and strain relief for 1 cable	1 set
S45756-M5-A7	9	System for tightness testing	Including valve, plug, sealing paste	10
S45756-M5-A2	10	Wall / Pole mounting		1
S45756-M5-A1	11	Aerial hanging device		1
S45756-M2-A2	12	Sealing tape	Roll with 1.6m	10
S45756-M3-A2	13	Anti-access device	Protection against opening without tools	1
S46999-A16-A4	14	Heat-shrink splice protectors	Length 60 mm	100
S46998-A4-A29	15	Heat-shrink splice protectors	Length 45 mm	100
CSP-1	16	Crimp splice protector	Length 30mm	150
S46998-A2-R85	17	Buffer adapter set 1-1	Spiral wrap and adapter to connect one buffer to one spiral wrap	4
S46998-A2-R84	18	Buffer adapter set 2-1	Spiral wrap and adapter to connect one buffer to two spiral wraps or two buffers to one spiral wrap	4
S46998-A2-R83	19	Buffer adapter set 3-1	Spiral wrap and adapter to connect one buffer to three spiral wraps or three buffers to one spiral wrap	4

Corning Cable Systems GmbH & Co. KG · Leipziger Straße 121 · 10117 Berlin, Germany  
Email for all locations: [emea.cs@corning.com](mailto:emea.cs@corning.com) / web: [www.corning.com/cablesystems](http://www.corning.com/cablesystems)

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