UCAO MFT 7 Inline Closure with Multi-Function Tray (MFT)

CORNING

Features and Benefits

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

Features Multi-Function Tray:

Up to 7MFT trays, locked in position

Up to 24-fiber splice capacity per tray

Minimum fibre bend controls

Individual tray access

The UCAO Closure provides environmentally protected sealing on splices of fibre 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.

Design

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

Inline Closure UCAO MFT 7
| Photo LAN4910

MFT Splice Tray
| Photo LAN4908

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CORNING

locked into the lower half shell. The same clamps provide an electrical connection and external grounding if re-

quired. The tightness of the closure can be flash-tested by using the optional tightness testing set.

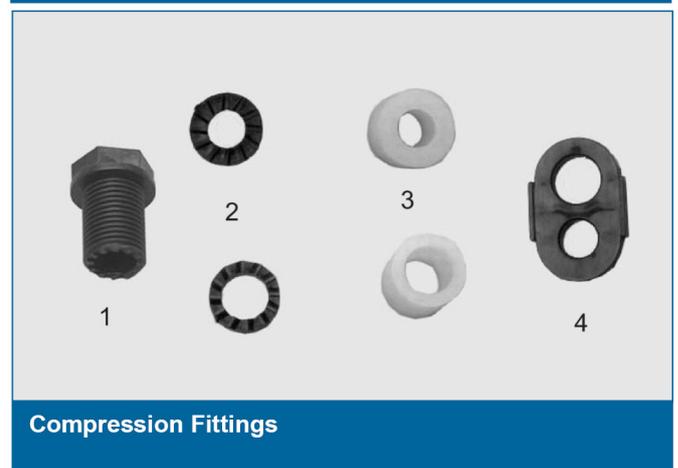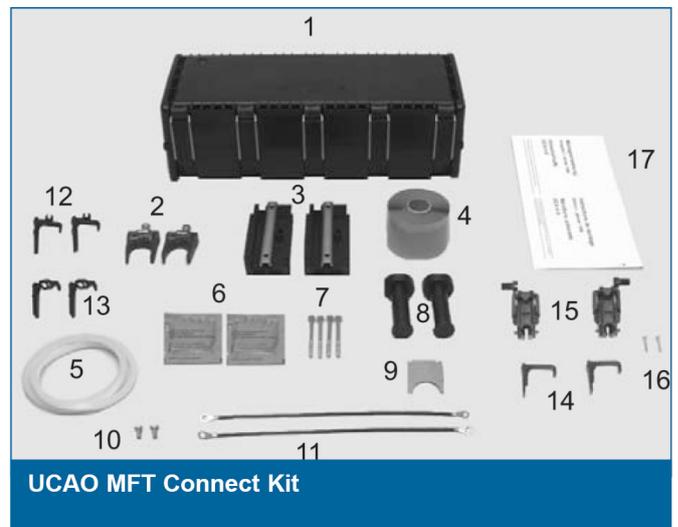## Specifications

Kit Contents

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

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 gage
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

Components for Cable Entry Wedge with Compression Fittings

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

UCAO MFT Connect Kit

Compression Fittings

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Fibre Managment

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 fibres from one tube can be separated and routed into differently tubes. Alternatively, fibres from different tubes can be brought together into one tube. Each MFT splice tray provides 4 buffer tubes entries.

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 Minimum of 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 Minimum of 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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CORNING

Ordering Information

Inline Closure with external grounding			
Part Number	Type	Description	Units per Delivery
S45754-A3-A59	UCAO MFT 7 with compression fittings	UCAO Inline Closure for 7 MFT splice trays	1/1
S45754-A3-A60	UCAO MFT 7	UCAO Inline Closure for 7 MFT splice trays	1/1

Inline Closure with external grounding:
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.

Accessories

Ordering Information

Part Number	Type	Description	Units per Delivery
C46197-K11-C32	MFT splice tray, for heat shrink splice protectors	For up to 24 heat shrink splice protectors (HSP)	1/1
C46197-K11-C33	MFT splice tray, for crimp splice protectors	For up to 24 crimp splice protectors (CSP)	1/1
S46998-A4-A75	Cover for MFT splice tray	Required for the top tray only	1/1
S46998-A2-R135	MFT splice tray (2x) and cover kit, for heat shrink splice protectors	2x MFT tray plus 1x cover, for heat shrink splice protectors (HSP)	10/1
S46998-A2-R136	MFT splice tray (2x) and cover kit, for crimp splice protectors	2x MFT tray plus 1x cover, for crimp splice protectors (CSP)	10/1
S46998-A4-A40	MFT splice tray (10x) and cover kit, for heat shrink splice protectors	10x MFT tray, for heat shrink splice protectors (HSP)	10/1
S46998-A4-A41	MFT splice tray (10x) and cover kit, for crimp splice protectors	10x MFT tray, for crimp splice protectors (CSP)	10/1
S46998-A4-A48	MFT splice tray cover kit	10x cover, for MFT tray (both types)	1/1
S45754-A3-R25	Branching set UCAO with compression fittings	Set with gland and strain rellief for 1 cable	1/1
S45754-A3-C72	Cable entry kit, SST flat drop cable	2-fold, for SST flat drop cable (compression fitting)	1/1
S46998-A6-R1	Branching set UCAO without comp. fittings	Cable and central member strain relief and shield connection for 10 cables	1/1
S46998-A6-R2	Grounding set	For 10 cables	1/1
S45756-M2-A2	Sealing tape kit	10x sealing tape: 1600 x 38mm	10/1
S45756-M5-A7	Leakage test kit	1x valve, 1x plug, 1x sealing paste (20g tube)	1/1

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Part Number	Type	Description	Units per Delivery
S45756-M5-A2	Wall/pole mounting device	For façade or pole mounting	1/1
S45756-M5-A1	Aerial Hanging Device	For an aerial installation in between poles	1/1
S45756-M3-A2	Anti-access device	Protection against opening without tools	10/1
S46998-A2-R85	Buffer adapter set 1-1	Spiral wrap and adapter to connect one buffer to one spiral wrap	1/1
S46998-A2-R84	Buffer adapter set 2-1	Spiral wrap and adapter to connect one buffer to two spiral wraps or two buffers to one spiral wrap	1/1
S46998-A2-R83	Buffer adapter set 3-1	Spiral wrap and adapter to connect one buffer to three spiral wraps or three buffers to one spiral wrap	1/1
HSP-45S100-1	Heat shink splice protector kit	45mm long, pack of 100	100/1
CSP-1	Crimp splice protector kit	30mm long, pack of 150	150/1

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