



SPLICE



SPLIT



CONNECT

PRODUCT + BENEFITS

- + Universal use for splicing, splitting & connecting your fibres
- + Flexible customisation with adaptable sealing, anchoring, and cable pass-by options
- + Designed for resilience: ensures reliable performance even in challenging weather conditions
- + Up to 216 splices, provides ample space for fibre splicing
- + Compatible with various splitters types, enhancing adaptability for different network setups
- + Simplifies installation and connectivity, accommodating a significant number of connectors with an external holder

PRESENTATION

Discover the UFMS (Universal Fiber Management System) enclosure from the LUNA range, wall-mounted or aerial enclosures for optical fibre connections.

Specifically designed for network deployment in MDU's, the UFMS enclosure combines durability and performance, even in challenging weather conditions.

UFMS stands out with its exceptional modularity.

Tailor every aspect to your needs:

- flexible sealing gaskets ranging from 2 to 12 mm,
- options for mechanical or cable tie anchoring,
- and a convenient cable pass-through.

It can accommodate up to 18 trays with 12 splices each (216 splices max) and offers areas suitable for all types of splitters, ensuring optimal flexibility.

With the capability to host up to 96 LC connections (or 48 SC), and with our brand-new external connector holder, you benefit from an efficient installation and simplified connectivity for installers.

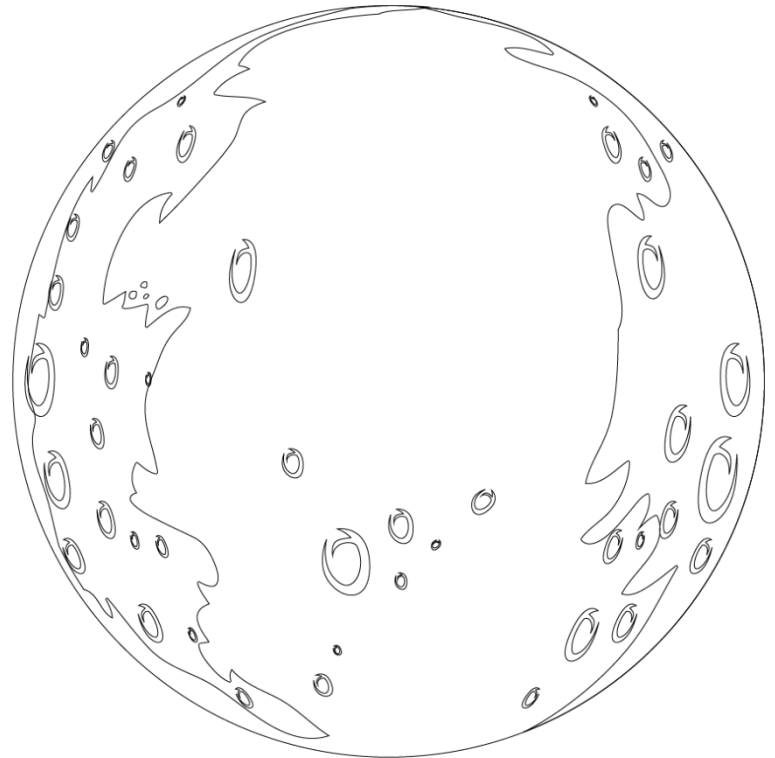
Invest in excellence with UFMS and ensure reliable and high-performance connectivity.



Example of configuration

ENCLOSURE SPECIFICATIONS

FEATURES	PERFORMANCE	REFERENCE STANDARD
Dimensions	400 x 250 x 110 mm	-
IP rating	IP55 or IP54 depending on chosen seal	EN 60529
Impact	IK07	EN 61300-2-12 at -25°C
Material	PC compound	-
Flame resistance	V0	UL94
UV resistance	Compliant	EN ISO 4892 3: method B, cycle n°5 (350 h)
Restriction of unauthorized access	Key lock n°405 or n°2233	-



USE CASES

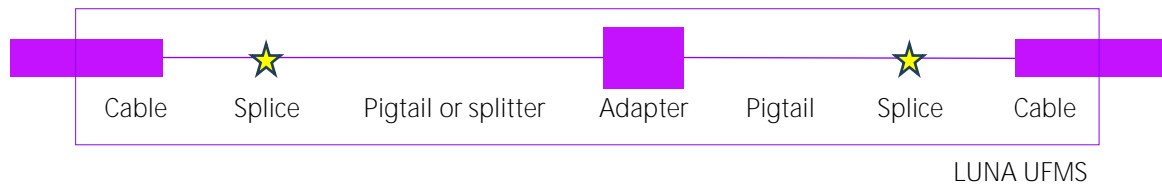
SPLICE VERSION

Splice several cables together



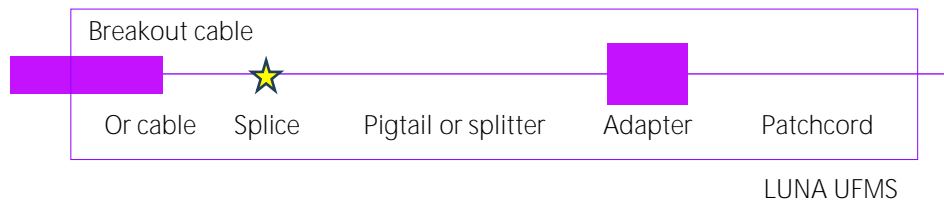
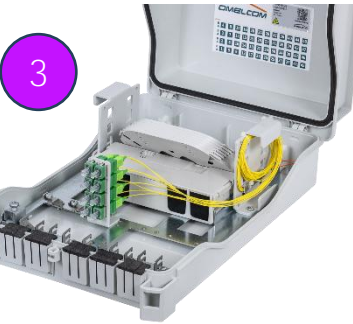
PIGTAIL-ON-PIGTAIL VERSION (PP)

Connect several cables together using pigtails or splitters



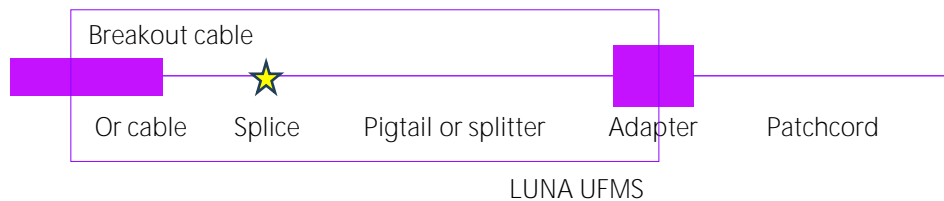
IN-PATCH VERSION (IP8 or IP24)

Connect feeder cables using pigtails or splitters to external equipments using patchcords



OUT-PATCH VERSION (OP)

Connect feeder cables using pigtails to external equipments using patchcords



SPLICING OPTIONS



FEATURES	SPLICE TRAY PERFORMANCE	REFERENCE STANDARD
Compatible fibre type	G652D, G657A1, G657A2	Minimum curves of radius 30 mm
Max number of splice trays	24	-
Max number of splices	288	-
Compatible splice protectors	<ul style="list-style-type: none"> 12 ANT crimp splice protectors 12 Heat shrink splice protectors ø2,3 to 2,6 mm, length 40 to 60 mm 	-
Height of the splice tray	6 mm	-
Length of 250 µm fiber that can be stored	> 36 m	Storage of 2x12 pigtailed of 1,50 m

ADAPTERS OPTIONS

Internal adapter holders for IN-PATCH VERSION

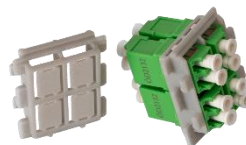


8 SC SX adapter holder



24 SC SX adapter holder

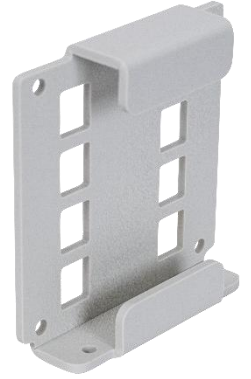
External adapter holders for OUT-PATCH VERSION



4 SC SX adapter holder

SPLITTER / OVERLENGTH STORAGE FEATURE

This part can either be used to hold splitters or to store fiber overlength
Two splitter / overlength storage brackets are always delivered with each UFMS



Capacity when used as a splitter holder



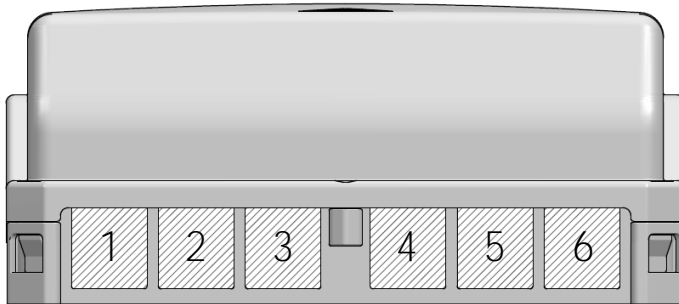
Splitter type	1:4 or 1:8 Bare - Precon	1:16 Bare - Precon	1:32 Bare - Precon	1:8 Precon - Precon
Splitter size	60 x 7 x 4 mm	60 x 12 x 5 mm	80 x 20 x 6 mm	10 x 8 x 1 cm
Max number of splitter bodies	8	6	4	2

Capacity when used as a storage bracket



Diameter of buffered fibre	900 µm
Max storage length	100 m

CABLE ENTRIES OPTIONS



LUNA UFMS

has 6 entry ports which can individually be equipped with a sealing port

Available sealing ports



Silicone seal
1 x ø2-12 mm



Silicone seal
4 x ø4-8 mm



Silicone seal
13 x ø2-3 mm



Patchcord
1 x ø 1-3 mm



4-adaptor holder



M12 cable gland
1 x ø3-6,5 mm



M16 cable gland
1 x ø5-10 mm



M20 cable gland
1 x ø6-12 mm



M20 cable gland for connectorised cable
1 x ø3-6 mm

Available cable anchors



Use	Strong sheath anchoring	Aramid anchoring	Sheath anchoring	Aramid anchoring
Pulling strength	20 D for HDPE sheaths 10 D for LSZH sheaths	See cable datasheet	10 D for HDPE sheaths 10 D for LSZH sheaths	See cable datasheet
Flexion strength	± 30°		± 30°	
Torsion strength	± 90°		± 90°	

CLOSURE CONSTRUCTION



ROOT CONTENT OF UFMS ENCLOSURE BEFORE CONFIGURATION

- 1 UFMS enclosure
- 2 splitter / overlength storage brackets
- 1 fibre routing block
- 1 seal for a 2-12 mm cable with its E@sy'Secure anchoring clamp
- 2 fiber guides

PART NAME CONSTRUCTION MODEL

LUNA/U - - - - P - L -

1 2 3 4 5 6 7 10 11

// - S - L -

8 9 10 11

Ex: LUNA/U-144ANT-IP24-96LCU-PI44TI-LO-GY

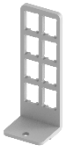


Ex: LUNA/U-36HS-IP8-36SCA-S2/16-L2-GY

- | | |
|---|---|
| <p>1 Number of splices (from 1 to 216)</p> <p>2 Type of splice protectors
HS = Heatshrink
ANT = Crimp</p> <p>3 Adapter position
PP = « PIGTAIL-ON-PIGTAIL » (max 24 adapters)
IP8 = « IN-PATCH » with 8 SC format adapter holders (max 40 adapters)
IP24 = « IN-PATCH » with 24 SC format adapter holders (max 48 adapters)
OP = « OUT-PATCH » (max 20 adapters)</p> <p>4 Number of connections (from 1 to 96)</p> <p>5 Adapter type
SCA = SC/APC 8° (max 48 connections)
LCA = LC/APC 8° (max 96 connections)
SCU = SC/UPC (max 48 connections)
LCU = LC/UPC (max 96 connections)</p> | <p>6 Number of pigtails (from 0 to 96 in multiples of 12)</p> <p>7 Order for the pigtail colors
FT = France Telecom color code
DIN = DIN color code
TI = TIA-598</p> <p>8 Number of splitters (from 0 to 8)</p> <p>9 Type of splitters
/4 = 1:4 splitter
/8 = 1:8 splitter
/16 = 1:16 splitter
/32 = 1:32 splitter</p> <p>10 Key lock type
0 = no lock
1 = key lock n°2233
2 = key lock n°405</p> <p>11 Colour of the closure
GY = Grey</p> |
|---|---|

COMPATIBLE ENTRY PORTS

Content	IP rating	Cable diameter	Number of cable per seal	Type of cable anchoring	Part number	Packaging
	IP55	Ø 2 – 12 mm	1	Cable sheath + aramid	CO660-SA	Unit
	IP55	Ø 4 – 8 mm	4	Aramid	CO661-A	Unit
	IP55	Ø 4 – 8 mm	4	Cable sheath	CO661-S	Unit
	IP55	Ø 2 – 3 mm	13	Aramid	CO662-A	Unit
	IP55	Ø 2 – 3 mm	13	Cable sheath	CO662-S	Unit
	IP54	Connectorised Ø 1 – 3 mm	12	Cable sheath	CO663-S	Unit
 M12	IP66	Ø 3 – 6,5 mm	1	Cable sheath	CO670	Unit
 M16	IP66	Ø 5 – 10 mm	1	Cable sheath	CO671	Unit
 M20	IP66	Ø 6 – 12 mm	1	Cable sheath	CO672	Unit
 M20	IP66	Connectorised Ø 3 – 6 mm	1	Cable sheath	CO673	Unit

STAND ALONE ACCESSORIES

Content	Description	Part number	Packaging
	Internal adapter holder Enables 8 SC or 16 LC connections Max 5 per closure	CO698	Pack of 50 pcs
	Internal adapter holder Enables 24 SC or 48 LC connections Max 2 per closure	CO699	Pack of 50 pcs
	External adapter holder Enables 4 SC or 8 LC connections Max 5 per closure	CO664	Pack of 50 pcs

EXISTING PART NUMBERS

Configured part name	Short part number
LUNA/U-144ANT-IP24-24SCA-P0-L0-GY	CO641
LUNA/U-144ANT-IP24-48SCA-P0-L0-GY	CO642
LUNA/U-72ANT-IP8-40SCA-P0-L0-GY	CO645