

PRODUCT TABLE

	Mark	Order code	FTTH mini socket ORM 1 and acc
(1)	1	85H4.00/0000F	ORM 1
	1A	491797	Sealing ORM 1 (IP 54)
	1B	491818	Box for placement of reserves $80 \times 80 \times 19$ mm
	10	491819	Box for placement of reserves $80 \times 80 \times 28$ mm
	1D	491817	Box for placement of reserves $80 \times 80 \times 16$ mm
	1E	491820	Spacer frame $80 \times 80 \times 12$ mm
	1F	491870	Sticker Attention laser radiation
	1G	491075	Dowel

491692

491802

491816

492004

1Ch

11

1J

2	Mark	Order code	Indoor wall-mounted distribution box MTeH EASY and MINI
	2	85AX.00/0000F	MTeH Easy — Slack box
	2A	85GR.00/00J0F	MTeH MINI

White sticker for description

Opening tool for ORM 1

Rubber sealing for splice fixation when 4 pcs splices are applied

	Mark	Order code	Indoor wall-mounted distribution box MTeH UNI and accessories
)	3	85AV.00/0001F	MTeH Uni
	3A	85SP.02/0000	Gradiated bushing 3—14 mm

For other variants, please, contact our sales department



Mark	Order code	Standard patchcords
4A	710031	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 5 m, G.657A1, white
4B	710032	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 10 m, G.657A1, white
4C	710033	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 15 m, G.657A1, white
4D	710034	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 20 m, G.657A1, white
4E	710035	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 25 m, G.657A1, white
4F	710036	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 30 m, G.657A1, white
4G	710037	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 35 m, G.657A1, white
4H	710038	Patchcord SM9/125, SC/APC to SC/APC, SX, 2.0 mm, 40 m, G.657A1, white



6	Mark	Order code	Pigtails and heatshrink
	6A	CN0008	Pigtail SM9/125, SC/APC, 0.9 mm, 2 m, G.657A1, tight buffer
	6B	493520	Heatshrink, L=45 mm, D=2,4 mm

7	Mark	Order code	Adapters
	7A	CN0002	Adapter SC/APC, SM, SX, green, metal clip, flange
	7B	CN0004	Adapter SC/APC, SM, DX, green, metal clip, flange

	Mark	Order code	PLC Splitters
8)	8A	710039	Splitter PLC 1:2, SC/APC to SC/APC, 0.9 mm, 1 m, G.657A1, small format
	8B	710040	Splitter PLC 1:4, SC/APC to SC/APC, 0.9 mm, 1 m, G.657A1, small format
	8C	710041	Splitter PLC 1:8, SC/APC to SC/APC, 0.9 mm, 1 m, G.657A1, small format
	8D	710042	Splitter PLC 1:16, SC/APC to SC/APC, 0.9 mm, 1 m, G.657A1, small format
	8E	710043	Splitter PLC 1:32, SC/APC to SC/APC, 0.9 mm, 1 m, G.657A1, small format

	Mark	Order code	Protection for indoor installations
(9)	9A	145100	Protective tube 750N 32/24
	9B	On request	Plastic Channel 40x40

10	Mark	Order code	Microducts
	10A	On request	MT Micro, 8/4, HDPE
	10B	On request	MT Micro, 10/6, HDPE
	10C	On request	MT Micro, 12/8, HDPE

11	Mark	Order code	Optical cables
	11A	On request	Cable optical, Microduct, 4F, G.657A1, Z044; Ø 2,0 mm
	11B	On request	Cable optical, Microduct, 12F, G.657A1, Z008; Ø 2,5 mm
	110	On request	Cable optical, Microduct, 24F, G.657A1, Z238; Ø 3,2 mm

Attention!

Follow the marking of the products for a better understanding of the solution on the other side.



MTeH Easy — installat



MTeH UNI – installation



Solutions on the website

TECHNICAL DESCRIPTION

FTTH indoor solution for GPON offers a way to quickly and easily build an optical infrastructure in buildings of varying sizes. The primary cable is spliced into the main MTeH UNI distribution box, where it is terminated or passes through. One fibre of the incoming cable is terminated per each 8 apartments by splicing to the SC/APC pigtail. These are the only splices made in the building. One patchcord is conducted from the main distribution box to connect the floor distribution box, in which a pre-connectorized splitter with a split ratio of 1:8 is installed. If there are multiple floor distribution boxes, each of them is connected by its own patchcord. An ORM 1 socket is always installed at the client's end, connected by its own patchcord to the floor distribution box. The indoor infrastructure is therefore completely free of optical splicing. For MDUs with less than eight apartments, the splitter is installed as far as the distribution point of the network. That is the design of the indoor end of the solu-

tion; the split ratios in the network may be modified according to the customer's needs.

The ORM I end user socket can be fitted with two SC/APC adapters and can used for direct termination of fibres in family houses with two apartments, without the need for additional distribution boxes. Up to 4 splices can be made inside the box. The sockets can be equipped with extension frames, allowing for the sockets to be fitted directly onto the hole drilled in the outer wall of the building. In apartments, the socket is used to terminate the incoming patchcord.

2... MTeH MINI with a maximum capacity of 10 SC/APC adapters is used as the floor distribution box. Splitters of up to 1:8 per SC/APC can fitted in the box. An empty MTeH EASY can be used for placing patchcord reserves anywhere in the building.

3... MTeH UNI with a maximum capacity of 24SC/APC adapters and 48 splices is used as the main distribution box. Excess patchcord reserves can be placed in the distribution box. The distribution box can be used as a floor distribution box with a maximum splitter size of 1:16

If LC adapters are used, the capacity of all distribution boxes doubles, including the split ratios.

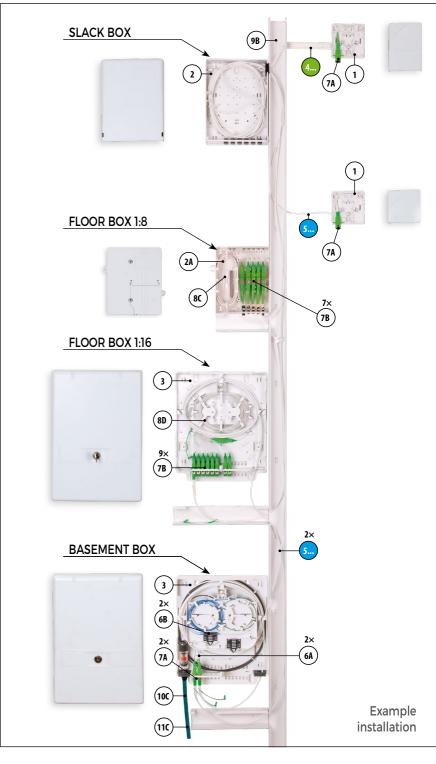
Two types of patchcords are used in our solution: armored, which are installed as a vertical distribution line for connecting the floor distribution boxes, and standard, which are used for connecting end users. These two options are at the operator's discretion.

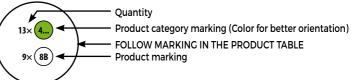
Standard patchcords are more cost effective and require a smaller initial investment. However, they have no protective features and may be easily damaged. It is therefore convenient to provide them with additional protection, such as cable trunks.

Armored patchcords, on the other hand, feature a very efficient metal protection of the cables. These patchcords may also be anchored by stapling to a variety of surfaces.

The patchcords in the vertical distribution line can be conducted through a reinforced 32/24 protective tube installed in the riser pipe. In the case of wall-mounted installation, 40x40 cable trunks are installed.

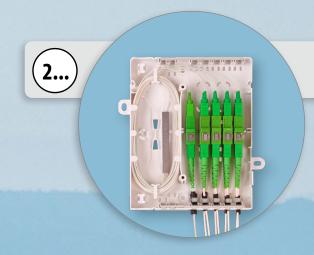
A second splitting level in the distribution part of the network must be considered in the proposed solution for an efficient utilisation of the ports of the OLT device.

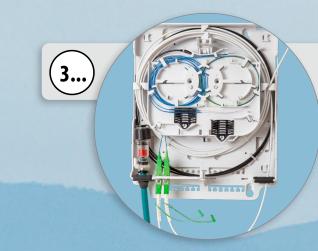




FTTH **GPON** Spliceless Solution







MTEH UNI BASEMENT BOX

- · DISTRIBUTION BOX · SPLITTING RATIO UP TO 1:16 FOR SC/APC ·LOCKABLE POSSIBILITY TO STORE RESERVES OF PATCHCORDS
- · UP TO 48 SPLICES · UP TO 24 SC/APC ADAPTORS









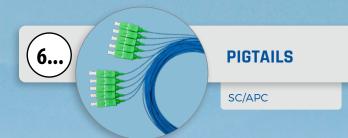
MTEH MINI

FLOOR BOX

DISTRIBUTION BOX WITH SEPARATED SECTION FOR INDIVIDUAL ACCESS

· SPLITTING RATIO UP TO 1:8 FOR SC/APC

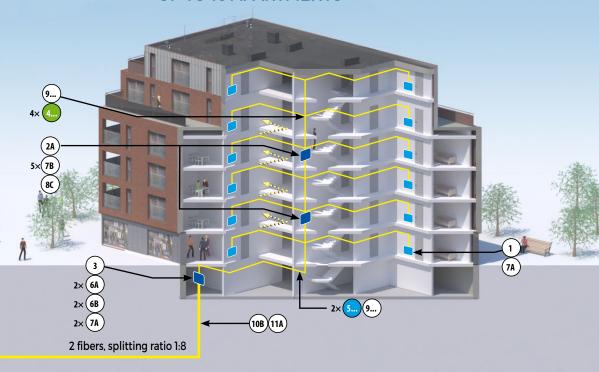


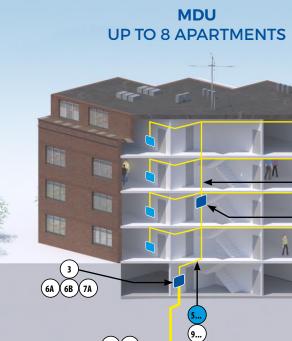






MDU UP TO 16 APARTMENTS









1 fiber (one fiber per apartment), without splitting

Product category marking (Color for better orientation) FOLLOW MARKING IN THE PRODUCT TABLE

100 110

from 8 up to 16 fibers (one fiber per eight apartments), splitting ratio 1:8

FTTH **GPON** Spliceless Solution



ORM 1

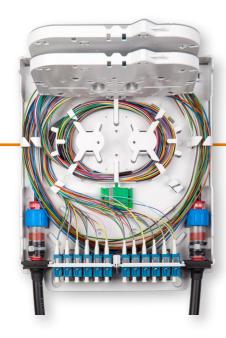
MINI SOCKET FTTH

MTeH EASY MTeH MINI

INDOOR WALL-MOUNTED DISTRIBUTION BOX

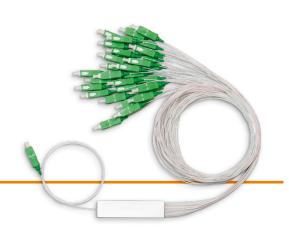






MTeH UNI

INDOOR WALL-MOUNTED DISTRIBUTION BOX



PLC SPLITTERS



PATCHCORDS

PIGTAILS



2022-12-07 ver. 2.0 EN







ADAPTERS





+420 582 307 511 **+** +420 582 307 688

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