

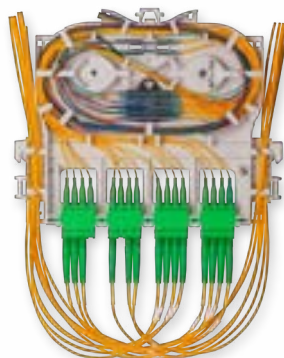
The Fiber Optic Box MDB M is a durable fiber optic box, designed with the highly flexible [FiberRoad™ System](#) inside. The box can be configured to address a wide range of fiber optic splice and/or connectivity applications for PON, GPON and 5G networks. The engineered design provides IP65 protection from water / dust ingress and IK10 impact resistance to keep your critical network connections safe inside. The MDB M provides the ideal splicing solution for multi dwelling unit fiber distribution points or outdoor pole mounted splice applications.

- ▶ Capacity of up to 144 splices
- ▶ Capacity of up to 48× SC / 96× LC connector
- ▶ Multiple cable or tube entry ports on all sides of the box to increase installation flexibility
- ▶ Top outputs – PG grommets for using outdoors, Grommets System for using indoors
- ▶ Ability to mix & match the Fiber Optic Trays [KM 4](#), [KM 5](#), [KM 6](#), [KM 7](#), [KM 9](#)
- ▶ KM 4 and KM 6 for up to 24 splices (6 pcs max.)
- ▶ KM 5 for up to 12× SC / 24× LC connector (4 pcs max.)
- ▶ KM 7 for up to 8× SC / 16× LC connector (for GPON, 4 pcs max.)
- ▶ KM 9 for up to 12 splices (12 pcs max.)
- ▶ Scalable through gradual adding of trays
- ▶ Optional placing of PLC Splitters in the management (outside a tray)
- ▶ Up to 2 PLC Splitters ABS together with 4× KM 7 (length 0.8 m)
- ▶ Hingeable (or detachable) splicing (or patching) section
- ▶ [FiberRoad™ System](#) compatible
- ▶ Removable internal fiber management chassis to enable maximum access
- ▶ Support for ribbon fibers
- ▶ Support for midspan (loop-through) cable deployments (via an express port)
- ▶ Grommets system for cables with diameters 1.8–13 mm
- ▶ Increased durability, impact protection and water / dust ingress resistance (IP65, IK10)
- ▶ Significant space for patch cords and cables reserves
- ▶ Optional pole bracket
- ▶ Suitable for all types of networks

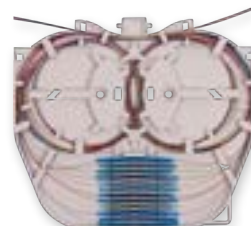

MDB M

KM 4

- For splicing
- Up to 24 splices
- More information on the [web](#)


KM 7

- For adapters
- Up to 8× SC / 16× LC connector
- Up to 16 splices
- More information on the [web](#)


KM 9

- For splicing
- Up to 12 splices
- More information on the [web](#)


KM 5

- For adapters
- Up to 12× SC / 24× LC connector
- Up to 24 splices
- More information on the [web](#)


KM 6

- For splicing
- Up to 24 splices
- More information on the [web](#)


GROMMETS SYSTEM

- For cables with diameters 1.8–13 mm
- 2× top position (only for using indoors)
- 5× bottom position

Section 0
Box

Section 1
Grommets Selection

Section 2
Organizer Selection

Section 3
Tray Type Selection

MDB M

XXXXX XX

X

XXXX XXXX

XXXX

XXXX XX

XXXXXX XXXXXX

bottom

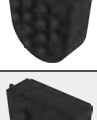
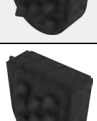
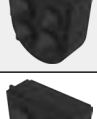
top

A-K – Only for using indoors

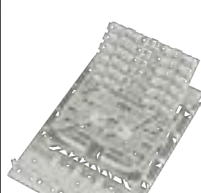
P – For using outdoors



Select 7 options as below:

A		24× 1.8–2.2 mm (already cut) 85C3.60/000X
B		24× 2.2–3.0 mm (already cut) 85C3.61/000X
C		12× 3.6–4.6 mm (can be cut) 85C3.71/000X
D		12× 4.6–5.6 mm (can be cut) 85C3.62/000X
E		8× 5.6–6.6 mm (can be cut) 85C3.69/000X
F		8× 6.6–7.6 mm (can be cut) 85C3.63/000X
G		4× 7.6–8.6 mm (can be cut) 85C3.68/000X
H		4× 8.6–9.6 mm (can be cut) 85C3.64/000X
J		2× 9.6–10.6 mm 2× 11.6–13.0 mm (can be cut) 85C3.65/000X
K		2× 9.6–10.6 mm 2× 10.6–11.6 mm (can be cut) 85C3.66/000X
P		PG 16 Grommet – only top inputs for using outdoors On request
N	NONE	The position remains empty

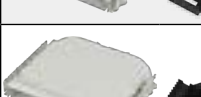
Select 1 option as below:

A		Patching Use with adapters For KM 5 Capacity of up to 96 splices Capacity of up to 48× SC / 96× LC connector 85C3.91/000X
B		Patching and splicing Use with adapters Ability to mix & match KM 4, KM 5, KM 6, KM 7 Capacity of up to 96 splices Capacity of up to 32× SC / 64× LC connector Optional PLC Splitters ABS 85C3.92/000X
C		Only splicing For KM 4 and KM 6 Capacity of up to 144 splices 85C3.93/000X
D		Only splicing For KM 9 Capacity of up to 144 splices 85C3.94/000X

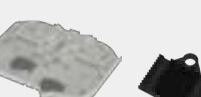
Select up to 8 options as below (only for management „A“):

KA		KM 5 for heatshrink SC / LC connectors 85C3.76/000X
KB		KM 5 for ribbon SC / LC connectors 85C3.77/000X
KC		KM 5 for crimp SC / LC connectors 85C3.78/000X
N	NONE	The position remains empty

Select up to 4 options as below (only for management „B“):

A		KM 4 for heatshrink 85C3.79/000X
B		KM 4 for ribbon 85C3.81/000X
C		KM 4 for crimp 85C3.82/000X
D		KM 6 for heatshrink 85C3.83/000X
E		KM 6 for ribbon 85C3.84/000X
F		KM 6 for crimp 85C3.85/000X
G		KM 7 for heatshrink SC / LC connectors 85C3.86/000X
H		KM 7 for ribbon SC / LC connectors 85C3.87/000X
J		KM 7 for crimp SC / LC connectors 85C3.88/000X
KA		KM 5 for heatshrink SC / LC connectors 85C3.76/000X
KB		KM 5 for ribbon SC / LC connectors 85C3.77/000X
KC		KM 5 for crimp SC / LC connectors 85C3.78/000X
N	NONE	The position remains empty

Select 6 options as below (only for management „C“):

A		KM 4 for heatshrink 85C3.79/000X
B		KM 4 for ribbon 85C3.81/000X
C		KM 4 for crimp 85C3.82/000X
D		KM 6 for heatshrink 85C3.83/000X
E		KM 6 for ribbon 85C3.84/000X
F		KM 6 for crimp 85C3.85/000X
N	NONE	The position remains empty

Select 12 options as below (only for management „D“):

L		KM 9 for heatshrink and crimp 85AV.52/000X
N	NONE	The position remains empty

YouTube



Examples of creating a name:

MDB M-AJJNN NN-A-KAKA KAKA

MDB M-BBKkk NN-B-AAGG

MDB M-BBGGG NN-C-AAAA AA

MDB M-BBKkk NN-D-LLLLLL LLNNNN

Section 0

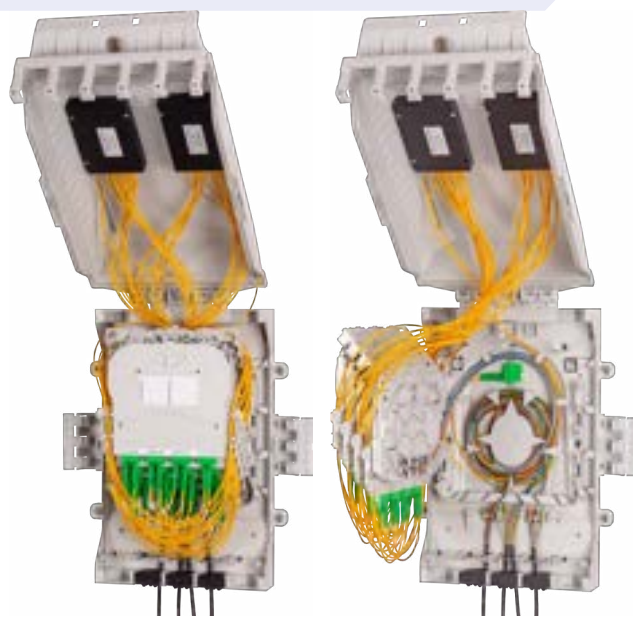
Section 1

Section 2

Section 3



MDB M-LLHNN NN-A-KAKAKAKA
PATCHING: 96× LC CONNECTOR



MDB M-HHHNN NN-B-GGGG
PATCHING: 64× LC CONNECTOR + PLC SPLITTERS ABS



MDB M-LLHNN NN-C-AAAAA
SPlicing: 144 SPLICES



Microduct
Termination
in the Box



Slack Cable Storage for
MDB M



Pole Bracket

TECHNICAL SPECIFICATIONS

Inputs / Outputs (quantity × range)	For using outdoors: 5× 1.8–13 mm 2× 10–14 mm or optional insert
	For using indoors: 7× 1.8–13 mm (follow the Configurator – Section 1 – Grommets Selection)
Grommets (type and number of used grommets)	For using outdoors: Grommets System – 5 pcs PG 16 – 2 pcs
	For using indoors: Grommets System – 7 pcs
Ingress Protection	IP65
Impact Protection	IK10
Flammability Degree	V0
Material	PC / ASA
Color	Light gray RAL 7035
Dimensions (H × W × D)	427 × 290 × 132 mm
Weight	2 kg

ORDERING CODES

On request	Custom Configuration
Follow the Configurator (Section 1)	Grommets Kit Separately
Follow the Configurator (Section 2)	Box with Organizer Separately
Follow the Configurator (Section 3)	Tray Kit Separately
85E0.97/0000F	Pole Bracket
85C3.C3/000XF	Slack Cable Storage for MDB M

More information: <https://www.micostelcom.com/en/fiber-optic-boxes/fiber-optic-box-mdb-m>