



FTTX SOLUTION



# CENTRAL OFFICE MDO CABINET SOLUTION

## Central Office MDO Cabinet Solution

The Central Office Solution with the MDO Cabinets and the FibeRoad™ System is very variable and can be adapted to meet the majority of fiber optic network requirements. All the cabinet parts, such as the side panels, the door or the subracks, are optional accessories and can be gradually added to meet the current network requirements.

The MDO cabinets can be stacked sideways or back to back and lined up in rows connected to each other using an integrated roof panel cable tray. The cabinets are also fitted with grate holders on the side, which makes the cabinet row assembly easier. Cables can also be installed outside the cable trays.



MDO Subrack

The solution can be based on 3 types of cabinets – MDO 900, MDO 600 and MDO 300 – each using different assembly and a different number of subracks that can be fitted in.

- MDO 900 can be fitted with up to four subracks with a patchcord ranging management section placed between them.
- MDO 600 can be fitted with two subracks. But if it is only used for splicing and both sides are used, it can be fitted with up to four subracks.
- MDO 300 can be assembled in two ways – fitted with two subracks or only as a patchcord ranging management section.

All connections in the MDO cabinets are made using 4m patchcord.

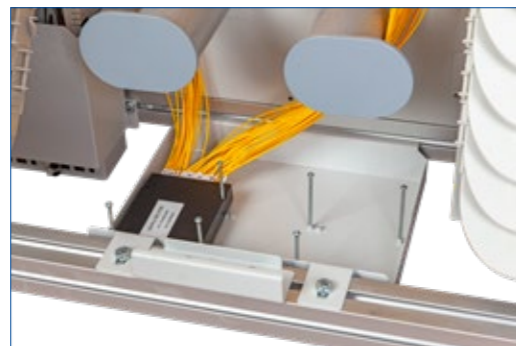
Each subrack contains a fiber organizer supporting easy cable termination and the division of fibers into particular splice trays. The cabinets can also house any spare fibers or small format PLC Splitters. The fiber organizers completely replace cable splitter functionality without drawing fibers and buffers into protective tubes.

Each subrack contains 36 holders that can be fitted with the same number of KM 4, KM 6 and KM 7 trays or with a half number of KM 5 trays. The trays can be combined within one subrack according to requirements.

A splitter box is an optional accessory to MDO 900 and MDO 600 cabinets and can be additionally installed anytime. It enables using PLC Splitters ABS. As splitter modules that reduce the overall cabinet capacity do not need to be installed, the entire cabinet capacity can be used for customer ports. The splitter outputs are 4 m long and enable connecting any port within the cabinets. The maximum capacity is 9 splitters 1:32 or 1:64.

### Other benefits include:

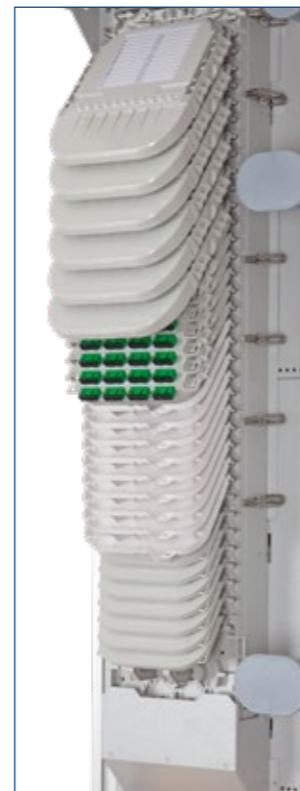
- FibeRoad™ System, more info in the FibeRoad™ Solution
- Suitable for ribbon fibers
- Scalable according to network requirements (modular solution)
- No need to define network parameters in advance
- Increased corrosion resistance (aluzinc)



MDO Splitter Box



MDO 900 Roof Panel



MDO Subrack (tray combination)



Fiber Organizer (Subrack A)

Product ID	Ordering Code	
1	85U5.70/0000F	MDO 900 864/1728 (flat pack)
2	85U5.80/0000F	MDO 600 432/864 (flat pack)
3	85U5.90/0000F	MDO 300 432/864 (flat pack)
1A	85U5.75/0000F	MDO Door 900
2A	85U5.85/0000F	MDO Door 600
3A	85U5.95/0000F	MDO Door 300
4	85U5.20/0000F	MDO Subrack
4A	85U5.60/0000F	MDO Side Cover (2 pcs)
4B	85U5.58/0000F	MDO Splitter Box
4C	85U5.94/0000F	MDO Grate Holder (assembly)

Product ID	Ordering Code	
5	85C3.79/000X	KM 4 Kit for Heat Shrinkable Protection
5A	85C3.82/000X	KM 4 Kit for Crimp Protection
5B	85C3.81/000X	KM 4 Kit for Ribbon Protection
6	85C3.83/000X	KM 6 Kit for Heat Shrinkable Protection
6A	85C3.85/000X	KM 6 Kit for Crimp Protection
6B	85C3.84/000X	KM 6 Kit for Ribbon Protection
7	85AV.94/0000F	KM 5 Kit for Heat Shrinkable Protection
7A	85AV.94/00K2F	KM 5 Kit for Crimp Protection
7B	85AV.94/00R3F	KM 5 Kit for Ribbon Protection
8	85C3.86/000X	KM 7 Kit for Heat Shrinkable Protection
8A	85C3.88/000X	KM 7 Kit for Crimp Protection
8B	85C3.87/000X	KM 7 Kit for Ribbon Protection

For other variants, please, contact our sales department.

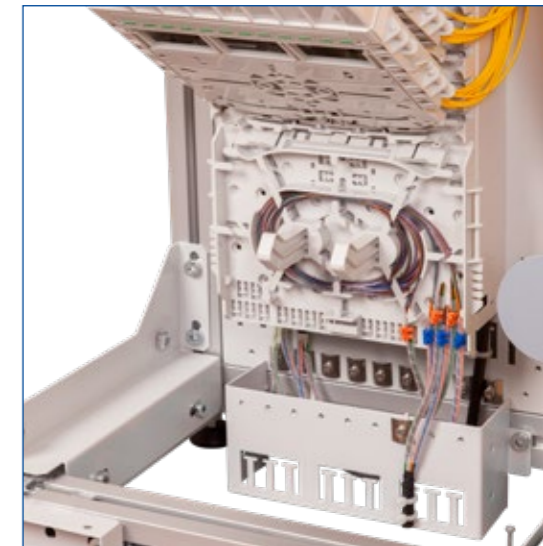
**ATTENTION!**  
Use the Product ID for better navigation within the solution.



KM 5 Tray Patchcord Outputs



Tilting of KM 5 Trays



Fiber Organizer (Subrack B)



Installation Videos



MDO – Flat Pack Assembly



MDO – Subrack and Cable Installation



MDO – Installation of KM 5 Trays



MDO – Interconnection inside the Cabinet with Patchcords



MDO – Box for ABS Splitters



MDO – Cable Tray Holder



# Central Office MDO Cabinet Solution

**5** **KM 4**

- FOR SPLICING
- UP TO 24 SPLICES

**6** **KM 6**

- FOR SPLICING
- UP TO 24 SPLICES

**7** **KM 5**

- FOR ADAPTERS
- UP TO 12× SC / 24× LC CONNECTOR
- UP TO 24 SPLICES

**8** **KM 7**

- FOR ADAPTERS
- UP TO 8× SC / 16× LC CONNECTOR
- UP TO 16 SPLICES

**4** **MDO Subrack**

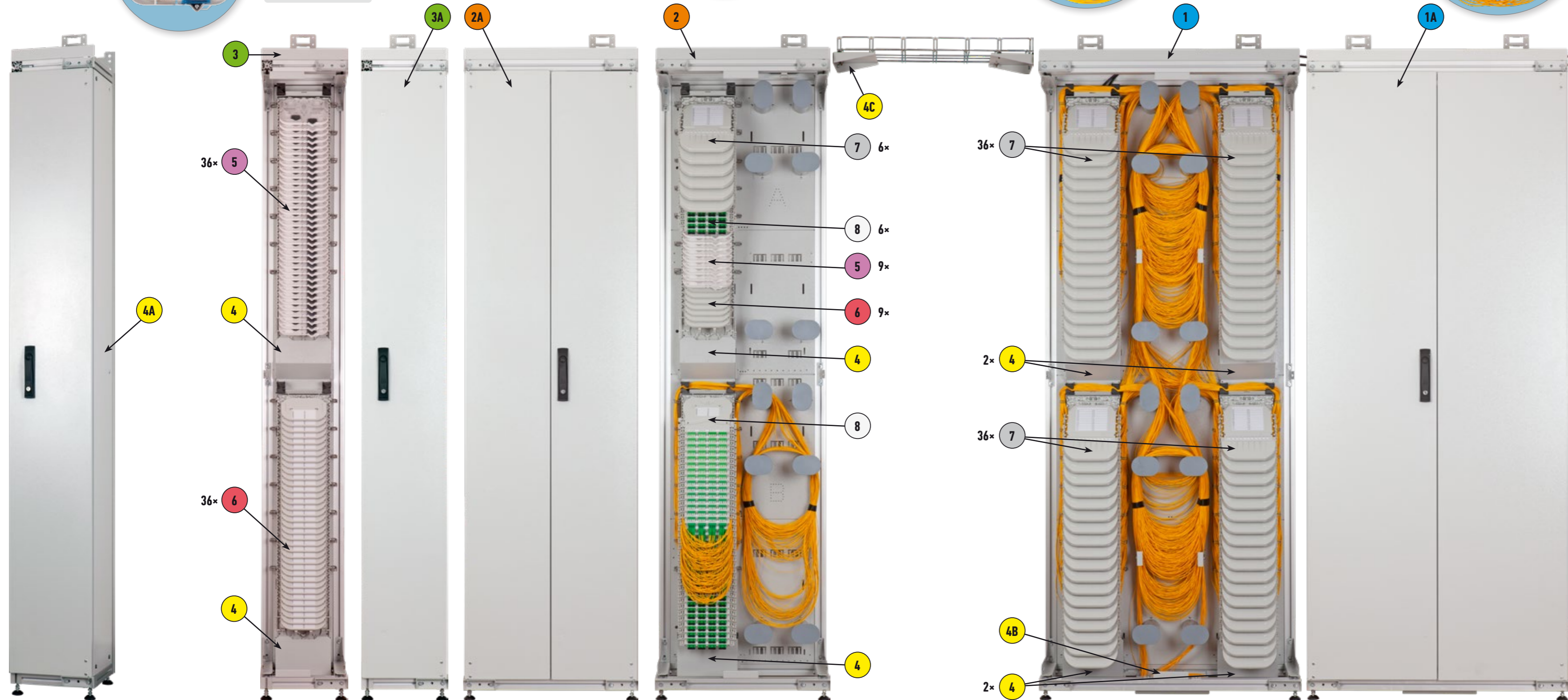
- UP TO 864 SPLICES (FOR KM 4)
- UP TO 216× SC / 432× LC CONNECTOR (FOR KM 5)
- UP TO 288× SC / 576× LC CONNECTOR (FOR KM 7)
- ABILITY TO MIX & MATCH THE FIBER OPTIC TRAYS KM 4, KM 5, KM 6, KM 7
- ABILITY TO GRADUALLY ADD TRAYS AS REQUIRED
- MODULAR SOLUTION WITHOUT CABLE SPLITTER FUNCTIONALITY
- OPTIONAL PLACING OF PLC SPLITTERS (OUTSIDE A TRAY)
- FIBEROAD™ SYSTEM COMPATIBLE
- SUITABLE FOR RIBBON FIBERS

**4B** **MDO Splitter Box**

- OPTIONAL ACCESSORY
- UP TO 9 PLC SPLITTERS ABS
- LENGTH OF 4 M
- CABINET CAPACITY IS NOT REDUCED BY SPLITTER MODULES

**4C** **MDO Grate Holder (assembly)**

- OPTIONAL ACCESSORY
- UNIVERSAL HOLDER FOR VARIOUS CABLE TRAYS
- SUPPORT FOR AISLE CABINET CONFIGURATION
- DIRECT CABLE TRAY MOUNTING WITHOUT CEILING TRAYS



**MDO 300**  
Capacity of up to 1,728 splices, 576× SC / 1,152× LC connector (without the ranging management)

**MDO 600**  
Capacity of up to 1,728 splices, 576× SC / 1,152× LC connector

**MDO 900**  
Capacity of up to 3,456 splices, 1,152× SC / 2,304× LC connector