WAVEPACE®
Splice patch wallbox
MDU – for 72 splices and 32 LC/24 SC port

- Wallbox suitable for open access for the network level 3 indoor-termination as well as the connection of single dwelling units
- Robust and compact design
- 3-part modular design, consisting of housing, fiber module and cover; all components can be installed independently of each other
- Fiber module with pivoting patch panel, pull-out adapter holder, splice tray system, fiber management and cable feeds/outlets
- Designed for 32 LC/APC or 24 SC/APC ports and pigtails by means of exchangeable adapter holders
- 6 hinged splice trays with each 12 fibers and a maximum capacity of 72 fibers using optional crimp or heat shrink splice protection elements
- Integrated management for fibers and wires
- Cable feed for cables and cable protection tubes up to Ø 16 mm
- 10 mm entries for optional loop-function of the feeder cable
- 24 outlets with 5 mm diameter for cables or protection tubes for indoor installation
- Storage of up to 4 m slack at the bottom of the fiber module for wires/cables with 2,8 mm diameter
- Cover lock using latch and additional sealing option
- Prepared for a modern identification and access control system based on NFC standard RFID tag acc. to ISO-IEC 14443A on request

Accessories

Item	Description
Adapter LC/APC	Duplex adapter LC/APC with ceramic sleeve, without flange
Adapter SC/APC	Simplex adapter SC/APC with ceramic sleeve, without flange
Pigtail set LC/APC 12	Pigtail set with 12 fibers LC/APC, SM at G.657.A1 fiber, length 2 m, DIN (IEC60304) color coding, 900 µm
Pigtail set SC/APC 12	Pigtail set with 12 fibers SC/APC, SM at G.657.A1 fiber, length 2 m, DIN (IEC60304) color coding, 900 µm
Splice tray kit HS-12F	Kit, containing 6 splice trays with holder for heat-shrink splice protection for 12 fibers each

	MDU-Wallbox-SP-empty	MDU-Wallbox-SP-24-LC/APC-Crimp	MDU-Wallbox-SP-24-SC/APC-Crimp	MDU-Wallbox-SP-24-LC/APC-HS	MDU-Wallbox-SP-24-SC/APC-HS
Interface	Patch frame for LC and SC adapters	24 x LC/APC ports & pigtails	24 x SC/APC ports & pigtails	24 x LC/APC ports & pigtails	24 x SC/APC ports & pigtails
Splice capacity	6 splice trays, crimp	6 splice trays for 12 x crimp		6 splice trays for 12 x heat shrink	
Application	Splice/patch				
Dimensions (L x W x D) [mm]	250 x 170 x 90				
Protection class	IP55/IK08				
Flammability	UL94-V0				
Material	Polycarbonate				
Color	Grey, RAL 7035				
Mounting options	Wall/pole				
Feed and outlet options	2 x Ø 16 mm, 2 x Ø 10 mm, 24 x Ø 5 mm				
Cable feed	Bottom				
Use of cable and protection tube for blown fiber	Yes				
Aperture angle removable cover	180°				
Pivot angle patch panel	120°				
Angle of the hinged splice tray	70°				
Special features	Depending on splice tray	Splitter access at splice tray		–	

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The entire WAVEPACE® product range and a list of sales partners is available at **www.wavepace.com**

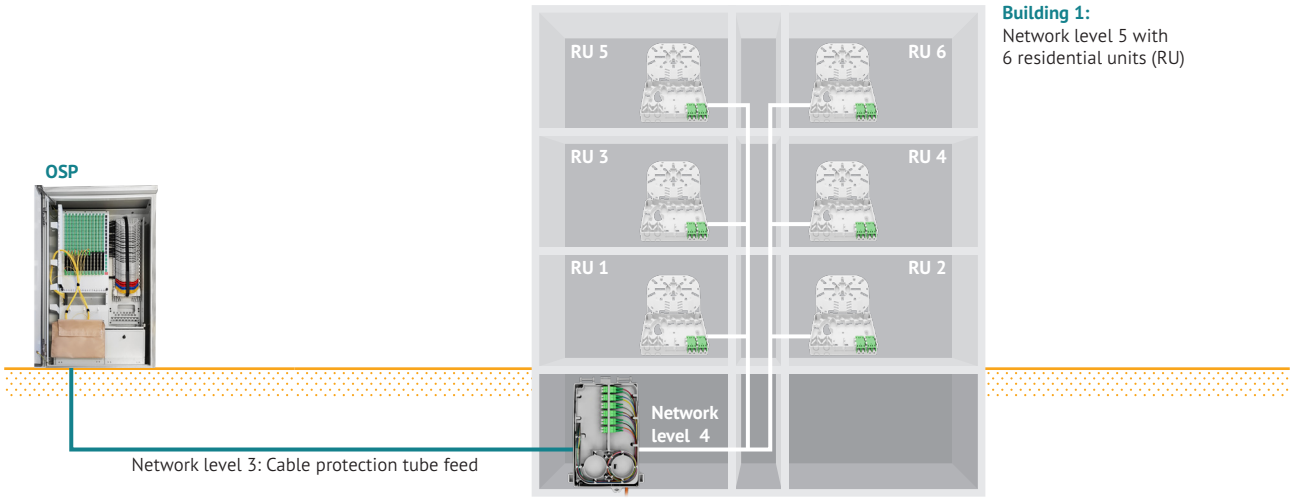
Do you have any questions about WAVEPACE® products? Please send us an email to **info@wavepace.com**

Application examples based on cable protection tubes and blown fiber technology

Connection of a building, supply of 6 residential units with 4 fibers each

From the OSP cabinet (e. g. the WAVEPACE® Fiber-Cabinet-P2MP), the corresponding fibers will, for example, be routed into the utility room of the building (network level 4). At that location, the WAVEPACE® MDU-Wallbox-SP-24 is already pre-assembled: 4 fibers for each residential unit are spliced from the WAVEPACE® FTTH-WO-4F (a customer premise fiber junction box for 4 fibers) onto the pigtails of the distribution area in an individual splice tray per residential unit.

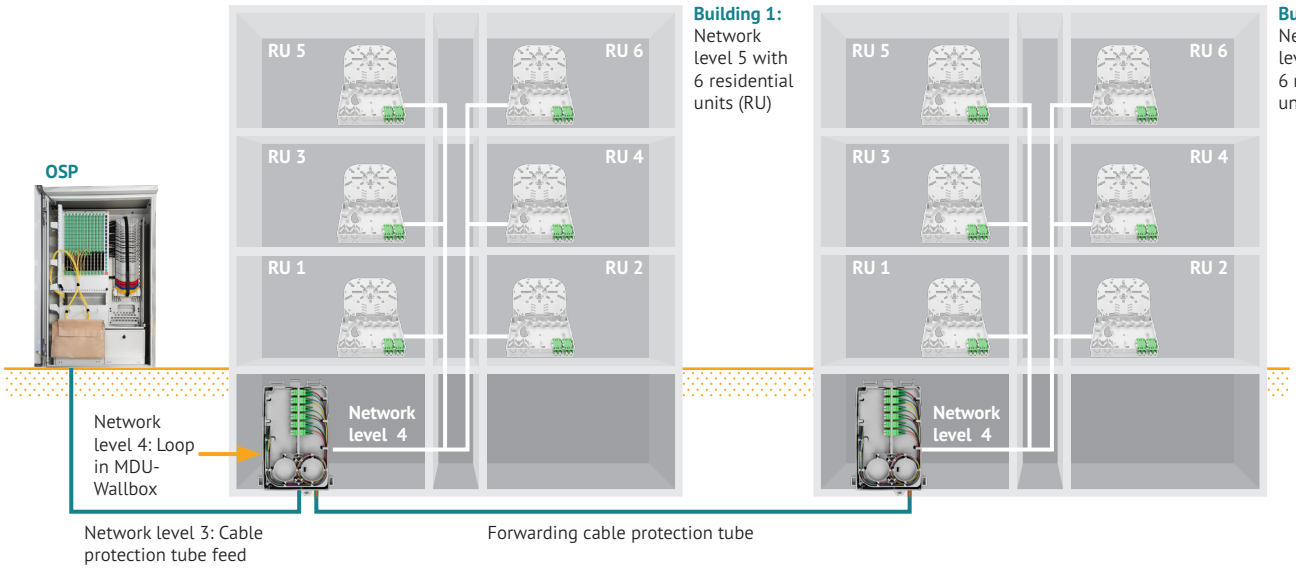
In the WAVEPACE® MDU-Wallbox, the fibers from the incoming cable of the OSP-cabinet are now being spliced onto the pigtails of the feeder cable in accordance to the network planning. For example, this can be each one fiber for IP service and one fiber for CATV. The 2 unused, remaining ports of the subscriber in the residential unit are available for other services or a second network operator. Testing and switching can be easy done via the connector interface.



Building 1:
Network level 5 with 6 residential units (RU)

Connection of 2 buildings using Loop function, supply of 6 residential units with 4 fibers

From the OSP cabinet (e. g. the WAVEPACE® Fiber-Cabinet-P2MP), the corresponding fibers will, for example, be blown into the first building, and are from there being forwarded into the cable protection tube to the next building. During this process, the required loop length will be stored. By a window-cut the cable shall be stripped at the required length and the appropriate buffer tube with the fibers get separated. For further installation, the fiber module will be taken out of the WAVEPACE® MDU-Wallbox and the prepared cable will be inserted via the cable feed to perform the loop into the module. The pursuing wires can be stored at the storage area at the bottom of the module. The incoming and forwarded cable protection tube gets terminated at the module, using the installed gas-water seals. Subsequently, the module is re-installed into the wallbox housing.
In the next step, the fibers can be spliced onto the pigtails of the feeder cable according to the network plannnig. The fibers from the individual residential units can be routed to the wallbox and spliced onto the pigtails of the subscriber part. In the second building, the continued cable is to be connected to the respective MDU-Wallbox-SP accordingly.



Building 1:
Network level 5 with 6 residential units (RU)

Building 2:
Network level 5 with 6 residential units (RU)

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