WAVEPACE® FWO-X1

Universal wall outlet for the FTTH subscriber connection

10418800
FWO-X1-empty

- Multifunctional junction box with 4 ports LC or 2 ports SC for fiber connection in network level 5
- Extremly compact dimensions 80 x 80 x 29 mm (W x H x D)
- Installation options for cavity wall box (60 mm mounting dimension), wall mounting, DIN rails and as click-on for DIY installation without access to the possibly pre-assembled fiber optics
- Versatile cable entries for all installation cases, from all sides as well as from behind
- 4 adapter positions possible (from freely accessible patch cord connection to fully secured)
- Single port access possible through individual housing cutouts
- Stable and pleasing housing made of white polycarbonate

- Large and free access area due to contour design for safe handling access
- Hinged splice tray with molded universal splice protector holder for crimp, heat shrink or Micro Smouv (Mini HS) splice protectors
- Integration option of reflector elements, also inline for remote service
- Stable bearing of the splice cassette to avoid pressure on the connectors during assembly
- Cable and wire entry opening also allows LC and SC connectors to be fed through
- Available versions: Empty housing, pre-terminated with adapters and/or pigtails and with in-house "pizza box" style cable on roll-off carton
- All pre-assembled adapters provide spring-loaded protection hood (shutter)
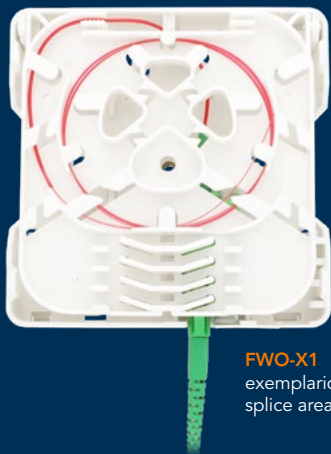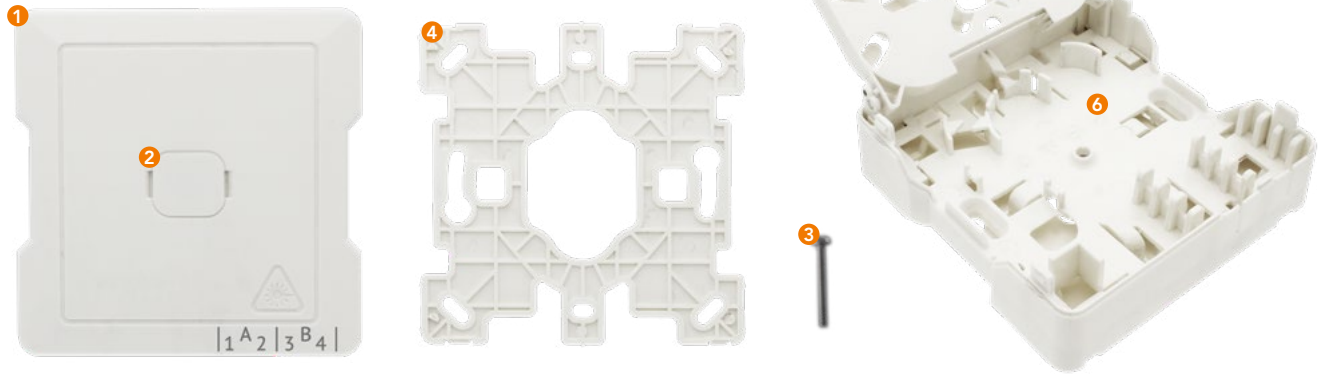
Parameter	FWO-X1-empty	FWO-X1-SC/APC-2	FWO-X1-LC/APC-1	FWO-X1-LC/APC-2	FWO-X1-SC/APC-2-2F	FWO-X1-LC/APC-1-2F	FWO-X1-xx-SC/APC-4F	FWO-X1-xx-LC/APC-4F
Application	–	Splice/patch						Patch
Interface	–	2 x SC/APC simplex adapters	1 x LC/APC duplex adapter	2 x LC/APC duplex adapter	2 x SC/APC simplex adapters & 2 x pigtails	1 x LC/APC duplex adapter & 2 x pigtails	2 x SC/APC simplex adapters & pre-assembled cable (4 fibers)	2 x LC/APC duplex adapters & pre-assembled cable (4 fibers)
Dimensions (H x W x D) [mm]	80 x 80 x 29							
Mounting options	On a cavity wall box (60 mm mounting dimension), wall mounting, DIN rails (horizontal & vertical) and as click-on for DIY installation with pre-assembled fiber optics							
Material wall outlet	Plastic material ABS (LSOH, RoHS, REACH compliant, Ul-94V0)							
Color	White							
Cable feed	From the bottom up to 5 mm, up to 4 mm from the top, left and right side and generally from the back							
Adapter quality	–	Adapter with ceramic sleeve and spring-loaded protection hood for dust an laser protection (shutter)						
Connector quality	–	Grade B, Level 1 classification according DIN EN IEC 61753-1:2019-10 with ceramic ferrule						
Insertion loss IL [dB max.]	–	0,25						
Return loss RL [dB min.]	–	65						
Safety	Cover of the FWO-X1 can additionally be secured with a screw							
Special features	For self as-sembly with adapters and pigtails	–					In-house cable Ø 2,65 mm using G.657.A2 fiber, fire protection class Dca-s2, d2; cable lenght options see below Non-used 2 fibers are stored in the splice tray	–
Order No.	10418800	10418822	10418820	10418825	10418823	10418821	15 m 10418811 30 m 10418813 50 m 10418815	15 m 10418801 20 m 10418802 30 m 10418803 50 m 10418805 80 m 10418808 100 m 10418809

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Quality on Line.
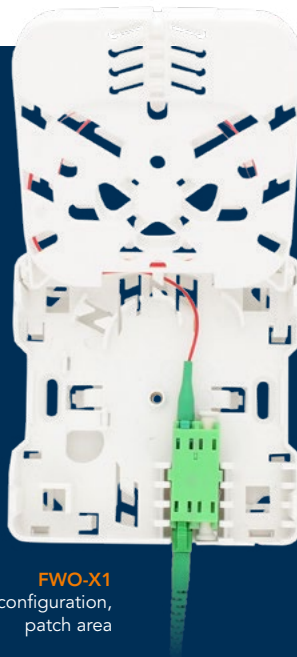
WAVEPACE® FWO-X1

Details of the WAVEPACE® FWO-X1

Construction of the individual components

1 Self-locking cover
2 Screw cover, self locking
3 Locking screw
4 Click-on frame
5 Hinged splice tray, mounted
6 Basic housing
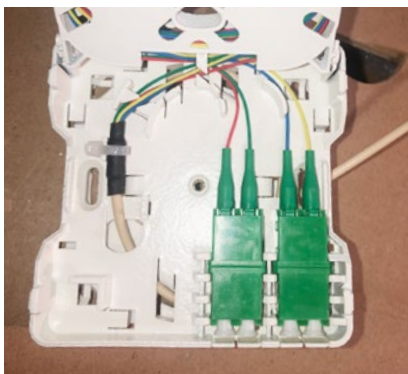

FWO-X1
exemplaric configuration,
splice area

FWO-X1
exemplaric configuration,
patch area

Access restriction
Option to install the connector inside the
outlet to avoid unautorized access

Further product versions

Special configuration
in accordance with the
specifications of the
German subsidized
fiber optic rollout

**Pre-assembled
"Pizza box"**
With in-house cable
on roll-off carton,
available in differnet
cable lenghts (please
refer to the table)

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