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-LC/APC-2-4F
Application	–	Splice/patch					
Interface	–	2 x SC/APC simplex adapters	1 x LC/APC duplex adapters	2 x LC/APC duplex adapters	2 x SC/APC simplex adapters & 2 x pigtails	1 x LC/APC duplex adapter & 2 x pigtails	2 x LC/APC-duplex adapter & 4x Pigtails
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 assembly with adapters and pigtails	–					
Order No.	10418800	10418822	10418820	10418825	10418823	10418821	10418824

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

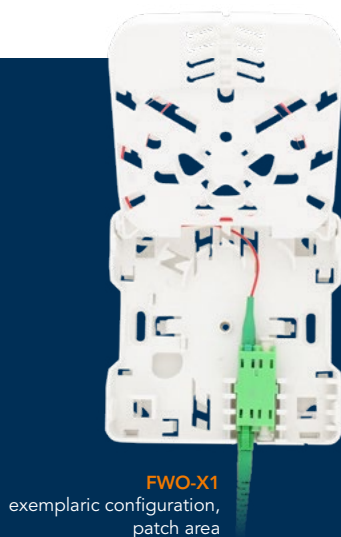## Further options can be found on the next page.

Quality on Line.

WAVEPACE® FWO-X1

Universal wall outlet for the FTTH subscriber connection

Parameter	FWO-X1-xx-SC/APC-4F	FWO-X1-xx-LC/APC-4F	FWO-X1-xx-LC/APC-4F-VF
Application	Splice/patch		
Interface	2 x SC/APC simplex adapters & pre-assembled cable (4 fibers)	2 x LC/APC duplex adapters & pre-assembled cable (4 fibers)	1 x LC/APC duplex adapter with external shutter & 2 LC/APC connectors terminated on pre-installed 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	In-house cable Ø 2,65 mm using G.657.A2 fiber, fire protection class B2ca-s1a, d0, a1; cable lenght options see below		Non-used 2 fibers (blue, yellow) with 900 µm primary coating, approximately 80 cm routed and stored in splice cassette, adapters equipped with external dust and laser shutters
	Non-used 2 fibers are stored in the splice tray	–	
Order No.	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	15 m 10418831 30 m 10418833 50 m 10418835

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)