

FIBER DISTRIBUTION BOXES

FTTH Terminal Box, 8-Core

Model **PSK-FTB-008** · Passive enclosure - no power required.

Compact indoor/outdoor terminal box that closes the FTTH drop segment, terminating up to eight subscribers at the building face, corridor or floor level. A splice-and-patch layout in a slim wall-mount housing keeps the final network handover tidy, sealed and serviceable.

Overview

The 8-core FTTH terminal box is the final fixed network element before the subscriber: it receives one or two incoming drop or riser cables and presents up to eight SC/APC adapter ports from which individual apartment or office drops depart. Inside, a single splice tray accommodates fusion splices between incoming fibers and connectorized pigtails, while dedicated routing channels hold slack and preserve bend radius in a housing barely larger than a paperback.

The cable path is straightforward: the riser or distribution cable enters through a grommated port, fibers are spliced to factory-made pigtails on the tray, and the pigtail connectors are parked on the internal adapter field. Subscriber drops plug into the outer face of the same adapters, so activations and swaps are tool-free once the box is commissioned. A snap-fit cover - padlockable on the outdoor variant - protects terminations from dust and casual interference.

Terminal boxes of this class populate corridors, stairwells and outside walls in FTTH and FTTB builds, typically one or two floors per box in an MDU. Upstream they connect to a 16-core distribution box or floor ODF; downstream they hand over to the subscriber's ONT patch cord, making the box the natural demarcation between operator plant and the home.

Key features

- Eight SC/APC adapter positions with parked-pigtail splice-and-patch layout
- Single splice tray for up to 12 protected fusion splices
- Two cable entry ports for riser/drop cables plus eight subscriber outlets
- Slim 200 x 150 x 45 mm footprint fits crowded risers and meter rooms
- Snap-fit cover with padlock ear on the outdoor variant
- UV-stabilised ABS+PC housing, IP54-class with grommets fitted
- All internal routing maintains 30 mm fiber bend radius min

Applications

Building entry · Corridor and floor distribution · MDU risers · Small business premises · FTTH · FTTB

Technical specifications

All values are typical for this product class.

Capacity	
Drop ports	8 x SC/APC adapter positions
Splice capacity	12 splices on one tray
Cable entries	2 x grommated ports, cable OD 8-12 mm
Drop outlets	8 ports, 2 x 5 mm flat or 2-3 mm round
Pigtail parking	8 positions

Optical performance	
Operating wavelength	1260-1650 nm
Adapter insertion loss	0.3 dB max
Return loss (SC/APC path)	50 dB min
Adapter durability	500 mating cycles min

Enclosure & environment	
Material	UV-stabilised ABS+PC
Ingress protection	IP54 class (grommets fitted)
Dimensions (H x W x D)	200 x 150 x 45 mm
Weight (empty)	0.45 kg approx.
Operating temperature	-25 to +60 deg C
Mounting	Wall screws with template, anchors supplied

Standards alignment

- Designed to align with IEC 60529 (IP ingress classification)
- Designed to align with IEC 61753 passive-component performance categories
- Designed to align with ITU-T G.657 drop-fiber bend-radius practice

Packaging

Typical export packaging: individually boxed with screws and anchors; 20 units per carton (approx. 560 x 420 x 330 mm, 11 kg gross); palletised for export.

Ordering & support: request the certified PROSKY datasheet, project pricing and delivery terms via proskytele.com.