

FIBER DISTRIBUTION FRAMES

Wall-Mount ODF, 48-Port

Model [PSK-ODF-248](#) · PROSKY passive network infrastructure

Lockable wall-mount distribution unit terminating up to 48 cores where rack space is unavailable. Stacked splice trays and a separated patch field keep splicing and day-to-day patching independent, in building risers, basements and small sites.

Product overview

The Wall-Mount ODF, 48-Port is a compact steel wall box that brings full splice-and-patch termination to locations without rack infrastructure. Inside its lockable hinged door, up to four stackable 12-core splice trays sit beside a 48-port adapter field (SC or LC), with radius-controlled routing channels connecting the two. Sealed cable entries at the top and bottom accept riser, distribution or outside-plant cable, with anchoring points for strength members and a grounding stud for armored builds.

The two-compartment layout is the operational point: incoming cable is spliced once onto pigtails in the tray stack, while all routine activity — connecting subscribers, moving circuits, testing — happens at the patch field without exposing a single splice. The door lock keeps the unit secure in shared spaces, and the trays hinge individually so any one can be worked on without disturbing its neighbors.

In the network, this unit is the workhorse of in-building distribution: FTTB riser terminations, basement building-entry points, floor distributors in enterprises, and small POPs or technical rooms in remote sites. It faces distribution cable on one side and patch cords toward splitters, switches or subscriber drops on the other.

Key features

- › Terminates up to 48 cores in a wall-mount footprint — no rack required
- › Up to four stackable 12-core splice trays, each individually hinged
- › Separated splice and patch compartments keep live splices untouched during daily work
- › Lockable hinged door for secure installation in shared and public spaces
- › Sealed top and bottom cable entries with strength-member anchoring and grounding stud
- › SC or LC adapter field configurations with port-by-port labeling
- › Powder-coated cold-rolled steel body; four-point wall fixing

Applications

- › FTTB riser and floor distribution
- › Building-entry demarcation points
- › Enterprise floor distributors
- › Small POPs and technical rooms
- › Campus remote-site termination

Network types: FTTH, Enterprise

Technical specifications

Typical values for this product class — request the certified PROSKY datasheet for guaranteed figures.

Capacity & interfaces	
Port capacity	Up to 48 cores
Splice trays	Up to 4 × 12-core, stackable and hinged
Adapter options	SC simplex / LC duplex
Routing	Radius-controlled channels, 30 mm minimum
Mechanical	
Dimensions (H × W × D)	400 × 300 × 100 mm
Material	Cold-rolled steel, 1.2 mm
Finish	Electrostatic powder coat
Door	Hinged, cam lock
Mounting	4-point wall fixing
Environmental	
Operating temperature	−25 °C to +55 °C
Relative humidity	≤ 85 % non-condensing
Ingress protection	IP30 indoor (IP54 variant for semi-protected areas)
Optical (loaded with adapters)	
Adapter insertion loss	≤ 0.2 dB per mated pair
Return loss (UPC / APC)	≥ 50 dB / ≥ 60 dB
Durability	≥ 500 mating cycles

Standards alignment

- › Designed to align with IEC 61300 (test and measurement procedures)
- › Designed to align with Telcordia GR-449 (fiber distribution frames)
- › Designed to align with IEC 60529 (ingress protection classes)

Standards are named as design-alignment references for this product class, not as certifications held.

Packaging

Typical export packaging: individual carton with foam protection, wall-fixing kit and accessory bag (trays, adapters and pigtails per order configuration); 4–6 units per master carton on export pallets.

Ordering & contact

Specify model PSK-ODF-248 with your required configuration (fiber count, length, termination or format options as applicable). For project engineering support, certified figures and commercial terms, contact PROSKY via proskytele.com.