

FIBER DISTRIBUTION FRAMES

Rack-Mount ODF, 24-Port

Model [PSK-ODF-124](#) · PROSKY passive network infrastructure

19-inch 1U optical distribution frame terminating up to 24 fibers with splice and patch functions in a single unit. A slide-out tray and radius-controlled routing keep dense terminations accessible and protected in equipment rooms and cabinets.

Product overview

The Rack-Mount ODF, 24-Port is a 1U cold-rolled steel drawer for the standard 19-inch rack. Behind its front adapter plate — configurable for SC or LC interfaces — the unit houses a splice tray, fiber-management guides with controlled bend radius, anchoring hardware for the incoming cable and its strength member, and a grounding lug for armored constructions. The tray slides out on rails so every splice and routing path is reachable from the front of the rack.

In operation, the outside-plant or riser cable is anchored at the rear entry, its tubes are routed to the splice tray, and each fiber is fusion-spliced to a factory-terminated pigtail. The pigtails route through radius guards to the rear of the adapter field, presenting clean, labeled ports at the front; patch cords then connect those ports to transmission equipment. Moves and changes happen at the patch field without ever disturbing the splices behind it.

The ODF is the demarcation point between the outside plant and the equipment room. Typical positions include exchange and data-room cable termination, building-entry points and street-cabinet distribution, where it pairs with patch cords toward active equipment and with splitters in PON architectures.

Key features

- › 1U 19-inch profile terminates up to 24 cores with splice and patch functions in one unit
- › Slide-out tray gives full splice access from the rack front without unloading live circuits
- › Interchangeable front plates for SC simplex or LC duplex adapter fields
- › Integrated splice tray with radius-controlled routing (30 mm minimum bend radius)
- › Cable anchoring with strength-member clamp at entry, plus grounding lug for armored cable
- › Powder-coated cold-rolled steel shell with removable top cover
- › Port-by-port label fields for clean records and fast moves and changes

Applications

- › Central office and exchange termination
- › Data-room and enterprise cable plant
- › Street-cabinet distribution fields
- › Building-entry demarcation
- › PON feeder termination ahead of splitters

Network types: FTTH, Enterprise, Data center

Technical specifications

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

Capacity & interfaces	
Port capacity	Up to 24 cores
Adapter options	SC simplex / LC duplex plates
Splice capacity	24 fusion splices (single tray)
Pigtail routing	Radius-controlled, 30 mm minimum
Mechanical	
Dimensions (W × D × H)	483 × 240 × 44 mm (1U)
Material	Cold-rolled steel, 1.0–1.2 mm
Finish	Electrostatic powder coat
Cable entry	Rear × 2, side knock-outs
Mounting	19-inch rack, 1U
Optical (loaded with adapters)	
Adapter insertion loss	≤ 0.2 dB per mated pair
Return loss (UPC)	≥ 50 dB
Durability	≥ 500 mating cycles
Environmental	
Operating temperature	–25 °C to +55 °C
Relative humidity	≤ 85 % non-condensing
Indoor rating	Equipment-room / cabinet use

Standards alignment

- › Designed to align with IEC 60297 (19-inch rack practice)
- › Designed to align with IEC 61300 (test and measurement procedures)
- › Designed to align with Telcordia GR-449 (fiber distribution frames)

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

Packaging

Typical export packaging: individual carton with foam cradle and accessory bag (adapters, pigtails and splice protectors per order configuration); 5–10 units per master carton on export pallets.

Ordering & contact

Specify model PSK-ODF-124 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.