

PTE-24

24 Cores FTTH Distribution Box

Application

- **Outdoor Fiber Distribution:** Ideal for FTTH (Fiber to the Home) networks, providing reliable fiber splicing and patching in outdoor environments.
- **Compact Network Installations:** Suited for space-constrained setups, such as pole or wall-mounted deployments in residential or small-scale commercial applications.



Features & Benefits

- **Massive Connectivity Hub:** With 4 expandable splicing trays, the PTE-24 enables seamless fusion splicing of 48 optical fibers and efficient interconnection through 24 SC adapters, catering to high-density fiber deployments.
- **All-Weather Protection:** Constructed with an IP56-rated ABS/PC composite shell, its dustproof and waterproof design effectively shields against harsh weather conditions, ensuring stable operation in outdoor environments.
- **Space-Optimized Design :** Boasting compact dimensions of 270.5×200×108mm, the PTE-24 intelligently organizes internal space, balancing large-capacity fiber management with convenient installation.
- **Intelligent Cable Management:** Equipped with 3 main cable ports and 1 branch cable port, each featuring silicone seals and quick-connect devices, it securely accommodates cables with diameters up to 20mm.
- **Versatile Installation Options:** Supporting both wall-mount and pole-mount setups, this distribution box adapts to diverse networking scenarios, significantly enhancing construction flexibility.
- **Maintenance-Friendly Architecture :** The modular splicing trays and flip-up adapter panel streamline fiber routing, remarkably reducing the complexity and time consumption of routine maintenance tasks.

Specifications

Part No.	PTE-24
Enclosure Material	PC
Tray Material	ABS
Dimensions (L×W×H)	270.5mm x 200mm x 108mm
Cable ports	4
Each Port Diameter	AD25 Corrugated Pipe Joint (M25*1.5)
Patching Capacity	24 SC Adapters
Splice Capacity (Max)	48 Fibers
Splice Trays Included	4 Trays
Splice Capacity per Tray	12 Fibers/Tray
Splitter Compatibility	Not Supported
Mounting Options	Wal Mount / Pole Mount
Operating Temperature Range	-40 ~ +65℃
Relative Humidity	≤93% (+40℃)
Atmospheric Pressure	70~106Kpa
Salt Spray Test	Closed for 168 hours
Protection Rating	IP56
Impact Resistance	IK10

Packing List

Part No.	Carton Size	PCS/CTN	G.W.
PTE-24	46x31x52CM	8	16KGS