

Optical Fiber Distribution mini-Terminal & Splitter (mini-MST)



The LiteLinx mini-MST is a rugged, factory-sealed fiber distribution terminal designed for fast, efficient, and low-maintenance deployment in FTTH and FTTx networks. Featuring hardened OptiTap®-compatible connectors, an IP68-rated dielectric closure, and robust environmental protection, this mini terminal is ideal for both aerial and underground applications — including pole-mounts, pedestals, hand-holes and vaults.

Compact and lightweight, the mini-MST enables plug-and-play installation while maintaining long-term durability in harsh outdoor conditions. Its dielectric design ensures immunity to electromagnetic interference, and the pre-terminated configuration helps reduce splicing labor, installation time, and maintenance costs in the field.

Highlights

- Integrated 1:n PLC Splitter:** Factory-installed splitter ensures balanced signal distribution to **4, 6, 8, or 12** endpoints with no additional splicing.
- Rugged All-Weather Design:** IP68-rated enclosure built from high-impact, UV-resistant plastic for long-term performance in harsh climates.
- OptiTap® Compatible Ports + 1 Feeder Port:** Designed for rapid connections using industry-standard pre-terminated hardened drop cables.
- Plug-and-Play Simplicity:** No fusion splicing, no field termination—just mount, connect, and activate.
- Versatile Mounting Options:** Supports pole, wall, pedestal, strand, or handhole deployment using built-in or external brackets.
- Field-Tested Reliability:** Fully sealed, water-tight construction with internal strain relief for cable integrity.

Specification

Splitter Type	1x4, 1x6, 1x8, 1x12 PLC (Planar Lightwave Circuit)
Tail Length	5 m to 2000 m (Customizable per order)
Output Connectors	SC/APC (OptiTap® Compatible)
Fiber Type	G.657.A1 Singlemode Bend-Insensitive Fiber
Enclosure Rating	IP68
Operating Temperature	−40°C to +85°C
Dimensions (L × W × H)	260 mm × 195 mm × 75 mm (approx.)
Weight	< 1.5 kg (without drop cables)
Mounting Options	Wall, Pole, Strand, Pedestal, Handhole
Material	UV-resistant PC+ABS plastic