

Product Description:

- High-performance dome-type closure for splicing, branching and protecting optical fiber cables in outdoor access, backbone and FTTx networks.
- Modular splice-tray architecture provides organized fiber routing, slack storage and fast re-entry without disturbing previously spliced fibers.

Key Features:

- IP68 waterproof and dust-tight design
- UV-stabilized, impact-resistant engineering thermoplastic housing
- Re-enterable mechanical sealing with silicone gasket; heat-shrink port option
- Stackable 12F / 24F splice trays with protected fiber routing
- Minimum internal fiber routing radius ≥ 40 mm
- Mid-span / loop-through access and metallic strength-member grounding optional
- Pole, wall, aerial, duct, manhole, handhole and underground deployment

Applications:

- FTTx / FTTH feeder & distribution networks
- Telecom backbone and metro access
- Aerial and pole-mounted networks
- Underground duct, manhole and handhole
- Campus, utility and CATV fiber networks



Technical Specifications:

Closure Type	Dome / vertical, butt-splice, re-enterable
Fiber Capacity	24 / 48 / 96 / 144 / 288 fibers
Splice Tray Capacity	12F or 24F per tray; stackable modular design
Cable Entry	1 oval main/loop port + up to 4-6 round branch/drop ports, configuration dependent
Cable Diameter Range	Main cable up to approx. 25-27 mm; branch/drop ports sized by sealing kit
Housing Material	UV-stabilized, high-impact engineering PP/PC; corrosion-resistant hardware
Sealing System	Re-enterable mechanical silicone gasket; optional heat-shrink sealing kits
Protection Rating	IP68 design per IEC 60529 when correctly assembled
Operating Temperature	-40°C to +70°C
Mechanical Performance	Axial pull ≥ 1000 N; compression ≥ 2000 N/100 mm; impact ≥ 16 N·m design target
Fiber Management	Protected routing, slack storage, splice sleeve retention; bend radius ≥ 40 mm
Mounting	Aerial / strand, pole, wall, duct, manhole, handhole, underground

Standards & Compliance:

Designed for IEC 60529 IP68 environmental protection, Telcordia GR-771-CORE closure performance criteria, IEC 61753-1 environmental performance framework and applicable IEC 61300 mechanical/environmental tests. RoHS/REACH-compliant material options available.

Ordering Information:

Part Number	Fiber Capacity	Recommended Tray Configuration
PL-FODEV24	24F	1-2 trays x 12/24F
PL-FODEV48	48F	2-4 trays x 12/24F
PL-FODEV96	96F	4 trays x 24F
PL-FODEV144	144F	6 trays x 24F
PL-FODEV288	288F	12 trays x 24F

25-Year System Warranty

Subject to proper installation and certified components usage.