FTTx

ORBITAL™ (Fiber Distribution Cabinet) FDC 576

Innovative Fiber Distribution Cabinet Specifically Designed for FTTx Splitter Applications

In existing neighborhoods or "overbuild" situations where subscription rates are uncertain and random, centralizing optical splitters within a Fiber-to-the-X (FTTx) network can enable operators to defer electronic and passive component costs.

Traditional "block matrix" splitter patching systems require complex routing of many long jumpers in a confined space through confusing routes, often resulting in a tangled mess as customers are randomly connected. OFS' breakthrough innovation makes traditional splitter management designs obsolete, enabling easier subscriber provisioning and increased reliability in high performance FTTx networks.

The ORBITAL FDC 576 features a revolutionary, radial fiber distribution configuration.

The new ORBITAL™ Fiber Distribution Cabinet (FDC) Series solves the usual routing problems with the new and innovative ORBITAL Fiber Management System. By combining the radial fiber routing with OFS components' superior optical performance, the ORBITAL FDC Series is the next generation in FTTx Splitter Management Systems.

Product Description

Designed to serve up to 576 homes, the ORBITAL FDC 576 features OFS' unique splitter module incorporating full spectrum, low loss PLC splitters, while being fitted with low loss, high performance LC and MPO connectors. OFS' MPO fannout jumpers are easily connected from the splitter modules to the subscriber ports, and use OFS' bend-insensitive AllWave® *FLEX* Zero Water Peak (ZWP) Fiber to minimize bending loss. In a dramatically improved fiber distribution design, the ORBITAL FDC 576 routes all subscriber fibers from the splitter modules to a central cabinet, then to subscriber ports arranged in a circular array surrounding the cabinet.

Key Product Features:

Dual Radial Distribution:
- Serves up to 576 homes
- Easy and intuitive fiber slack management
- Minimizes fiber routing congestion
- Reduces fiber parking for unused leads

MPO 1x32 Splitter Modules
- Creates a high-density, low-loss splitter solution
- Universal face design fits many legacy LGX® solutions
- Scalable usage with MPO to LC fanouts

Compact and Robust FDC
- Industry best 3 foot height
- Dual independent doors, front access
- Scalable, upgrade system from ORBITAL FDC 288 to 576
- One-to-one port labeling on front and rear for easy identification
- Pre-connectorized cables installed for rapid deployment
- Pad mountable
- NEMA4 design.

Benefits

Easier and faster parking of unused splitter connections:
- The ORBITAL 576 FDC's modular design allows incremental provisioning of splitters that helps to reduce the amount of congestion inside the FDC
- Extensive and easily-accessible parking - up to 77% less parking required due to MPO fanout (Please note: when a fanout is added for a single subscriber, 7 connectors must be parked. Traditional splitter modules would require 31 connectors be parked)

Excellent optical performance:
- Best-in-class LCA connectors with lowest loss
- Uses thermally stable PLC splitters

Available with more options:
- Choose the cable
- Choose the connector
- Partial configurations can be built
- Over provisioned feeder can be added (please see below in the cross connect note)

Easier Splitter Upgrade:
- Splitter module with connector interface allows for potential splitter/optical path upgrades with minimal effort and/or disruption

Unique Integrated Cross/Inter-Connect System:
- Unique optional path panels enable easy provisioning 48 businesses requiring dedicated connections.

Attributes

Physical Specifications:
- FDC: 36" H x 48" W x 18" D

Physical Makeup:
- Dual front and rear access panels (can be padlocked for security)
- Pad mounting skirt for easy installation
- Removable rear cable entry allows the FDC to slide over conduit, facilitating installation
- Aluminum construction and powder coat paint for long life cycle
- Dual radial configuration ensures intuitive fiber path routing
- Intuitive one-to-one numbering system on front and rear of faceplate for easy identification.

For additional information please contact your sales representative. You can also visit our website at http://www.ofsoptics.com or call 1-888-fiber-help.

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