

Innovative Distribution Solution Specifically Designed for the FTTx Market

Introduction

Centralizing optical splitters within a Fiber-to-the-X (FTTx) network can provide operators a means of deferring electronic and passives costs. This is exceptionally critical in situations where service subscription rates are uncertain or customer churn is likely. An inherent disadvantage to more traditional fiber management designs is that they do not adequately take these real-world variables into account, and require the management of many, long jumpers in a confined space. The new Orbital™ Cabinet 288 tackles the routing challenges as part of the Orbital Fiber Management System. Developed to address your high-fiber FTTx distribution point problems, the Orbital Cabinet 288 incorporates the latest innovations in fiber management along with leading optical components. By combining breakthroughs in radial fiber routing with the newest component technologies, the Orbital Cabinet 288 offers a revolutionary distribution structure.

Product Description

Designed to serve up to 288 homes, the Orbital Cabinet 288 features OFS' unique splitter module that incorporates OFS and Fitel's own leading-edge PLC devices while being fitted with low loss, high performance LC and MPO connectors promoting additional modularity. In a radically new fiber distribution scheme, the Orbital Cabinet 288 routes all fibers from a central hub located on the main panel, with adapter interfaces arranged in a circular array surrounding the hub. This radial configuration creates a "one-fiber-length-fits-all" solution, allowing the MPO splitter module jumpers to be routed from any single splitter output and then later reused. Also, keeping the MPO splitter module jumpers short (under 24") insures easy fiber tracing and redeployment.



The Orbital Cabinet 288 features a revolutionary, radial fiber distribution configuration.

Value

Unlike traditional flat array systems, the Orbital Cabinet 288's routing scheme creates a central overlapping hub that prevents fibers from "knotting" during reroutes, saving on time and potential trouble shooting expense. This cabinet's scalable system maximizes PON utilization while reducing the risk of future unmanageable panels. Simplified fiber routing, modularity, and a trade-friendly design make the Orbital Cabinet 288 a requirement for any FTTx over-build.

The use of MPO fanouts simplifies cable management by decreasing installation time and providing a flexible solution. The MPO fanout structure allows for rapid hot swapping of modules for future upgrade to high bandwidth WDM or re-proportioned split ratios. The connectorized module also reduces time consuming documentation and re-routing in the future – the modules make it simple to remove 5 connectors and swap out the module.

Key Product Features:

Radial Distribution:

- Serves up to 288 homes
- Provides short fiber runs
- Minimizes fiber routing congestion
- Creates a footprint for one standard fiber length
- Allows easy re-use of fiber routes
- Reduces fiber parking for unused leads

MPO 1x32 Splitters

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

Specialty OFS Cabinet

- Full front access solution
- Pre-connectorized cable installed for rapid deployment
- Rear cable storage vault eliminates underground vault and closure
- NEMA4 design

Attributes:

Physical Specifications:

Cabinet: 51" H x 36" W x 37" D

Physical Makeup:

- Easy-to-remove swing-out equipment mounting frame
- Front access door and rear access panel (can be padlocked for security)
- Pad mounting skirt
- Internal wall separates fiber storage area from equipment bay
- Removable rear panels allow the cabinet to slide over conduit, facilitating installation
- Aluminum construction
- Powder coat paint

Rely on OFS

No one has more experience than OFS in making complex fiber networks simple, cost effective and easy to manage. Our versatile fiber management products will help simplify the work you do, saving time and money.



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

Orbital is a trademark and LGX is a registered trademark of Furukawa Electric North America, Inc.

OFS reserves the right to make changes to the prices and product(s) described in this document in the interest of improving internal design, operational function, and/or reliability. OFS does not assume any liability that may occur due to the use or application of the product(s) and/or circuit layout(s) described herein.

This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.

Copyright © 2005 Furukawa Electric North America, Inc.
All rights reserved, printed in USA.

OFS
Marketing Communications
fap-223-1005

