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KEY COMPONENT OF
FOX SOLUTION™
Fiber Optics to the X

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V-Linx™ Spool & Play Solution

Simplify Your MDU Deployments and Help Decrease Their Overall Cost

The multi-dwelling unit (MDU) environment offers a significant challenge to the network provider. Ranging from older existing buildings to new constructed facilities, the cabling strategy can vary greatly. The new V-Linx™ Spool and Play Solution introduced by OFS is designed to address the varying conditions in MDU infrastructure. Uniquely designed for dense, multi-floor units, the V-Linx Solution provides components that can be configured flexibly to address the profusion of cabling conditions within both Greenfield and Brownfield environments.

The deployment of the V-Linx Solution can significantly speed installation and requires less labor to install the backbone by using our short length spool-and-play technology. A simple set of spool-and-play hardware allows a small service team of one or two people to install the entry distribution cabinet, route a few factory-built riser

assemblies, and plug drop boxes to the riser quickly and efficiently into the MDU. The system is designed to minimize multiple long-run riser installations and eliminate splice time. These hubs are designed to enable small crews to deploy entire systems in hours versus traditional large crews taking days.

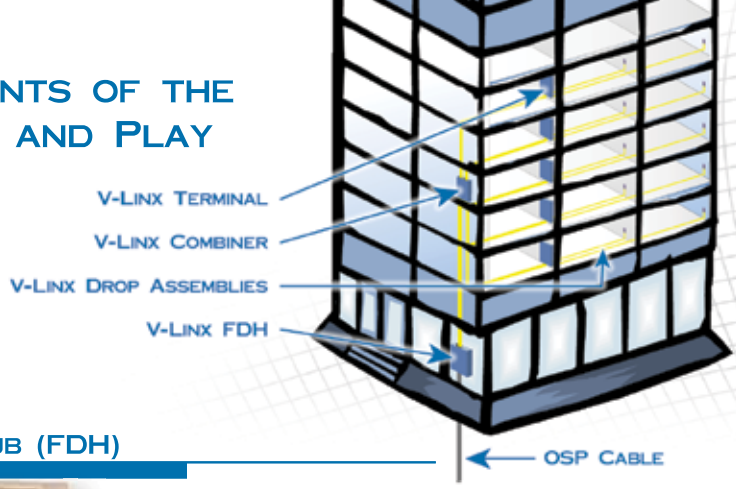
Features & Benefits

- Easier installation allows companies to start providing services sooner
- Better cost-benefit relation due to lower overall installation costs
- Lower hardware costs than traditional systems
- Less manpower and resources needed for installation and maintenance
- Shorter spans can minimize cable pulling issues
- Preinstalled factory assembly helps reduce labor to prepare drop boxes
- Integrated multiple mounting methods can simplify installation in unknown conditions

Having Problems? We Have a Solution

Problem	The V-Linx Solution ....
Current MDU solutions require long lengths of cable routed through many floors demanding crews of many people to work for several days.	Can reduce the number of man hours, freeing technicians from monitoring cable payout.
Many existing MDU hardware designs lack basic needs such as cable storage, slack storage, connector parking, and splice management.	Effectively provides a comprehensive solution to all major problems.
Traditional systems install an entry box and separate cables to each floor's distribution boxes.	Can drastically reduce the number and length of cables installed.
Limited space might jeopardize the optical path with small radius bends.	Includes components which feature OFS' AllWave *FLEX* Zero Water Peak (ZWP) Fiber, the first bend-optimized single-mode ZWP fiber in the industry.
Custom cabling systems require extensive engineering and time to build.	Features a simplified set of hardware that provides flexible engineering and less inventory to cover a broad range of applications

Key Components of the V-Linx Spool and Play Solution



V-Linx Fiber Distribution Hub (FDH)

- Design enabled by AllWave *FLEX* ZWP Fiber
- Uses compact PLC splitter technology
- Quick provisioning of circuits with SCA connectors
- Minimal cable management from use of optimized splitter cable lengths
- Up to four 1x32 splitter modules, 144 ports per FDH

V-Linx Combiner

- Compact size
- Supports aggregation of up to 72 units (60 most common)
- Uses multi-fiber connector interface
- 0.35 dB loss per connection
- Integrated with V-Linx Cables at the factory
- Field integration of V-Linx Cables optional
- Up to 200 feet of riser cable

V-Linx Terminal

- Hands-free fiber pay-off operation
- Integrated spool axle for fiber storage
- Spool-and-Play functionality from the factory
- 50 – 300 feet of integrated round ribbon cable
- Parking adapters for units not in service
- Wall mountable onto multiple surfaces
- Highly compact design
- AllWave *FLEX* ZWP fiber enabled design

V-Linx Drop Assemblies

- Provide tight bend routing capability to reach each living unit with a flexible design, and remarkable durability and optical performance.
- Factory assembled to create high performance terminations as single or double ended assemblies.
- Common industry splicing or connectors can be used with the single ended drops in those unique situations needing exact lengths

AllWave® *FLEX* Zero Water Peak (ZWP) Fiber

OFS' AllWave *FLEX* ZWP Fiber, the first bend-optimized single-mode ZWP fiber in the industry, is the backbone of the V-Linx Spool and Play Solution. AllWave *FLEX* Fiber's exceptional performance enables small size cables and components. It also improves reliability through enhanced macrobending performance.

Performance Attributes:

- Fully compliant with IEC G.652.D standard
- Zero water peak for full-spectrum transmission
- Substantially improved bending performance over standard ZWP fiber
  - at 1625 nm
  - at smaller diameters
- Full Backward Compatibility
  - Low splice loss when spliced to matched-clad ZWP fiber
- Protects revenue-generating video applications which operate at extremely bend-sensitive wavelengths

THINK GREEN

Use electronic files, available at:
www.ofsoptics.com - Use less paper

AllWave is a registered trademark and FOX and V-Linx are trademarks of OFS FITEL, LLC.

For additional information please contact your sales representative. You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

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