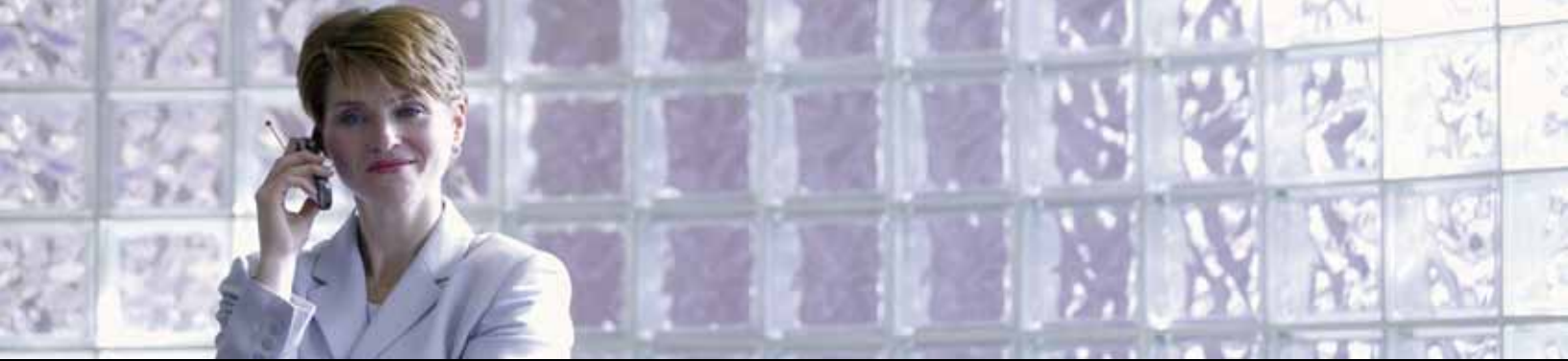


■ Outside Plant for  
Business-Critical Continuity

# NetSpan™ FDH Compact Series

*Integrated Fiber Distribution Hub Solution*





## Features & Benefits

### FDH Compact Series

- **Compact size** – less obstructive than traditional FDH cabinets, one-person installation
- **Direct buried application** – lower cost, no need for expensive pad
- **Pedestal mounting** – installed in our ProFORM® pedestal to provide flood proof protection and 2 layers of environmental protection
- **Vault pedestal option** – FDH Compact Series mounts directly on select manufacturer vault/hand-hole for fiber splicing
- **Internal hinged bulkhead panel** – for ease of maintenance/service
- **Available in 72, 96 and 144-fiber distribution** – for flexible applications
- **Standard pass-through ports** – permits the splitter to be bypassed in high bandwidth applications
- **Radius limiting spools** – improves fiber management and protects fiber
- **Splitter parking lot** – allows for docking of unused splitter ports
- **Preterminated fiber cables for distribution and feeder**
- **Fiber closure designed to GR-771 Telcordia requirements**

### Splitter Module

- High-density, high performance 1x32 modular optical splitter
- Preterminated with SC/APC connectors
- Bend insensitive fiber
- Pre-parked pigtails for convenient fiber storage

## Description

The NetSpan™ FDH Compact Series of fiber distribution hub pedestals provides connections between fiber optic cables and passive optical splitters in the outside plant environment. This weather-tight fiber distribution hub closure integrated with our field proven ProFORM® pedestal offers an alternative to traditional FDH cabinets. The FDH Compact Series is smaller in size for a less obstructive closure, and includes 2-layers of environmental protection for flood proof features not found in traditional FDH solutions.

With its compact size and smaller distribution count, the NetSpan™ FDH Compact Series installs deeper into your FTTH architecture. Not only is this more flexible, but more economical to deploy. No need to incur the cost of digging and pouring a concrete pad, you directly bury the FDH pedestal, requiring only one craft-person for installation.

The series is available in 72, 96 or 144 port distribution with preterminated SC/APC 100' dielectric loose tube feeder and distribution cable stub as the standard configuration. The NetSpan™ FDH Compact Series is available empty or loaded with (1) 1x32 splitter module.



*NetSpan™ FDH  
Compact Series  
Pro12, 96 Port FDH*



*NetSpan™ FDH  
Compact Series  
Pro10, 72 Port FDH*



*NetSpan™ FDH  
Compact Series  
Pro12, 96 Port FDH  
Internal Panel Open*

**Emerson Network Power** —  
*a complete spectrum of best-in-class reliable  
 power, precision environmental and connectivity  
 solutions for today's telecommunications  
 and data network infrastructure*



## Application

The NetSpan™ FDH Compact Series is ideal as a Local Convergence Point (LCP) for aggregation in a centralized splitting Passive Optical Network (PON) FTTx architecture. This solution is designed for above grade and flood proof applications.

### FDH Compact Series Specifications

	PRO10	PRO12	PRO12
Distribution Count	72	96	144
Distribution Cable Configuration (100 foot dielectric loose tube)	72-fiber	96-fiber	144-fiber
Feeder Cable Configuration (100 foot dielectric loose tube)	6-fiber	6-fiber	6-fiber
Splitter Module Capacity (1x32)	2	4	4
Splitter Parking Capacity	48-port	48-port	48-port

### Splitter Module Specifications: 1x32 SC/APC

Operating Wavelength	1280 – 1650 nm
Insertion Loss (includes loss from connector)	17.5 dB (max.) 17.0 dB (typ.)
Uniformity	≤ 1.5 dB
Return Loss	≥ 55 dB
Directivity	>60 dB
PDL (max.)	≤ 0.30 dB
Operating Temperature	-40°C to 85°C

### Ordering Information

Catalog Number	Part Number	Description
NSFDH1072AXX100D	F1008492	PRO10, 72 port FDH, 100' dielectric loose tube, SC/APC, no splitter included
NSFDH1072A1X100D	F1008640	PRO10, 72 port FDH, 100' dielectric loose tube, SC/APC, (1) splitter included
NSFDH10V72AXX100D	F1008733	PRO10 Vault Pedestal, 72 port FDH, 100' dielectric loose tube, SC/APC, no splitter included
NSFDH10V72A1X100D	F1008734	PRO10 Vault Pedestal, 72 port FDH, 100' dielectric loose tube, SC/APC, (1) splitter included
NSFDH1296AXX100D	F1008493	PRO12, 96 port FDH, 100' dielectric loose tube, SC/APC, no splitter included
NSFDH1296A1X100D	F1008660	PRO12, 96 port FDH, 100' dielectric loose tube, SC/APC, (1) splitter included
NSFDH12144AXX100D	F1008494	PRO12, 144 port FDH, 100' dielectric loose tube, SC/APC, no splitter included
NSFDH12144A1X100D	F1008641	PRO12, 144 port FDH, 100' dielectric loose tube, SC/APC, (1) splitter included
NSSPLT132AD	F1008495	1x32 splitter module, SC/APC for PRO10 FDH
NSSPLT132AE	F1008496	1x32 splitter module, SC/APC for PRO12 FDH

Emerson (NYSE: EMR), based in St. Louis, Missouri (USA), is a global leader in bringing technology and engineering together to create innovative solutions for customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. For more information, visit: [Emerson.com](http://Emerson.com).

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling *Business-Critical Continuity*<sup>™</sup> from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, monitoring, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians. For more information on Emerson Network Power's full suite of solutions specifically supporting the communications network infrastructure, including NetSpan<sup>™</sup>, NetReach<sup>™</sup> and NetXtend<sup>™</sup> outside plant enclosures and equipment, NetSure<sup>™</sup> DC power systems, and turnkey services, visit: [EmersonNetworkPower.com/EnergySystems](http://EmersonNetworkPower.com/EnergySystems).

Learn more about Emerson Network Power products and services at: [EmersonNetworkPower.com](http://EmersonNetworkPower.com).

This publication is issued to provide outline information only which (unless agreed by Emerson Network Power Energy Systems, North America, Inc. in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or be regarded as a representation relating to the products or services concerned. Emerson Network Power Energy Systems, North America, Inc. reserves the right to alter without notice the specification, design or conditions of supply of any product or service.

Emerson<sup>®</sup>, Emerson Network Power<sup>™</sup>, Business-Critical Continuity<sup>™</sup>, NetSpan<sup>™</sup>, NetReach<sup>™</sup>, NetXtend<sup>™</sup> and NetSure<sup>™</sup> are trademarks of Emerson Electric Co. and/or one of its subsidiaries.

#### **Emerson Network Power**

#### **Energy Systems, World Headquarters**

4350 Weaver Parkway, Warrenton, IL 60555 USA

**Toll Free:** 800-800-1280 (USA and Canada)

**Telephone:** 440-246-6999 **Fax:** 440-246-4876

**Web:** [EmersonNetworkPower.com/EnergySystems](http://EmersonNetworkPower.com/EnergySystems)

#### **Emerson Network Power.**

The global leader in enabling *Business-Critical Continuity*<sup>™</sup>.

■ AC Power

■ Connectivity

■ DC Power

■ Embedded Computing

■ Embedded Power

■ Monitoring

■ **Outside Plant**

■ Power Switching & Controls

■ Precision Cooling

#### **EmersonNetworkPower.com**

■ Racks & Integrated Cabinets

■ **Services**

■ Surge Protection