

Vertiv™ BBE FDH Series

Broadband Edge Enclosures



Key Features

Enclosure

- Compact size simplifies installation with smaller than traditional cabinets and one person installation
- Direct buried application eliminates pad, lowering cost
- Pedestal mount is flood proof with two layers of environmental protection
- Vault pedestal option mounts directly onto various hand-holes
- Internal hinged bulkhead panel
- Available with 72, 96 and 144 fiber distribution ports
- Standard pass-through ports for bypassing splitters
- Radius limiting spools improve fiber management
- Pre-terminated distribution and feeder cables
- Designed to GR-771 Telcordia requirements

Splitter Module

- High-density, high performance optical splitter (1x32)
- Pre-terminated with SC/APC connectors
- Bend insensitive fiber

Vertiv™ BBE FDH Series pedestals provide connections for fiber optic cables and passive optical splitters in FTTx applications.

Description

The Vertiv BBE FDH Series of fiber distribution hub pedestals provides connections between fiber optic cables and passive optical splitters in the outside plant environment. An internal weather-tight closure, integrated with our field proven pedestal, offers an alternative to traditional FDH cabinets. The FDH 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 Vertiv BBE FDH 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 pre-terminated SC/APC 100' dielectric loose tube or ribbon feeder and distribution cable stub as the standard configuration.

Application

The Vertiv BBE FDH 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.



Technical Specifications

FDH Compact Series: PRO10	72 Port	96 Port	144 Port
Distribution Count	72	96	144
Distribution Cable Configuration	72-fiber	96-fiber	144-fiber
Feeder Cable Configuration	6 fiber (loose tube) / 12 fiber (ribbon)	6 fiber (loose tube) / 12 fiber (ribbon)	6 fiber (loose tube) / 12 fiber (ribbon)
Splitter Module Capacity	6	6	6

Splitter Module: 1x32 SC/APC

Operating Wavelength	1280 nm to 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



Loose-Tube Solution
96-Port Enclosure with 1x32 Splitter
(1x32 splitter sold separately)

Ordering Information

Catalog Number	Part Number	Description
Pedestals (100' dielectric loose tube, SC/APC, no splitter included)		
NSFDH1072AXX100D	F1008492	PRO10, 72 port FDH
NSFDH10V72AXX100D	F1008733	PRO10 vault pedestal, 72 port FDH
NSFDH1096AXX100D	F1010509	PRO10, 96 port FDH
NSFDH10V96AXX100D	F1010510	PRO10 vault pedestal, 96 port FDH
NSFDH10144AXX100D	F1010511	PRO10, 144 port FDH,
NSFDH10V144AXX100D	F1010512	PRO10 vault pedestal, 144 port FDH
Pedestals (100' ribbon, SC/APC, no splitter included)		
NSFDH1072AXX100R	F1011182	PRO10 pedestal, 72 port ribbon FDH
NSFDH1096V72AXX100R	F1011183	PRO10 pedestal, 96 port ribbon FDH
NSFDH10144AXX100R	F1011184	PRO10 pedestal, 144 port ribbon FDH
NSFDH10V72AXX100R	F1011185	PRO10 vault pedestal, 72 port ribbon FDH
NSFDH10V96AXX100R	F1011186	PRO10 vault pedestal, 96 port ribbon FDH
NSFDH10V144AXX100R	F1011187	PRO10 vault pedestal, 144 port ribbon FDH
Splitter Modules		
NSSPLT132AD	F1008495	1x32 splitter module, SC/APC for PRO10 FDH
NSSPLT116AE	F1009027	1x16 splitter module, SC/APC for PRO10 FDH



Ribbon Solution
96-Port Enclosure with 1x32 Splitter
(1x32 splitter sold separately)

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