

NexaCore™ HD Series Fanout Cassettes

Overview

Fibertronics Inc. NexaCore™ HD Series Fanout Cassettes are engineered to deliver high-performance fiber termination and breakout solutions in ultra-dense environments. These modular cassettes feature MTP®/MPO rear connectivity and LC front interfaces, providing a seamless transition from trunk cables to individual fiber ports.

The plug-and-play design ensures quick installation, simplified cable management, and easy reconfiguration, making them ideal for dynamic network environments. All cassettes are fully compatible with NexaCore™ fiber housings, ensuring a reliable and integrated solution.

Key Features

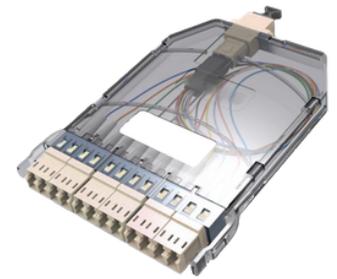
- Slim Cassette Design for High-Density Applications
- Rear MTP®/MPO Interface
- Pre-terminated Fanout Assembly
- Multiple Fiber Mode Options
- Low Insertion and Return Loss
- Customizable

Typical Applications

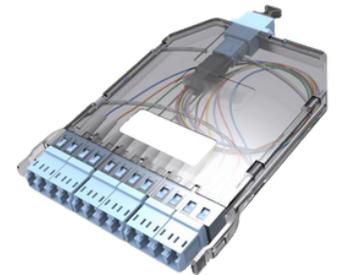
- Hyperscale Data Centers and Cloud Providers
- Telecommunications Central Offices and Metro Fiber Hubs
- Colocation (Multi-Tenant) Data Centers
- Financial Trading Networks
- Internet Exchange Points (IXPs) and Carrier-Neutral Facilities

Technical Specifications

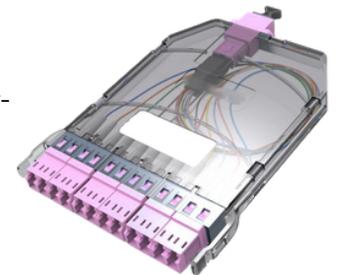
Material	High-Durability Polycarbonate
Dimensions	~ 5" x 3.75" x 0.5" (L x W x H)
Mounting Compatibility	UltraHD™ Patch Panels
RoHS Compliant	Yes



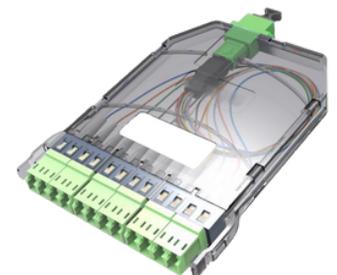
HDC-12LCK16D



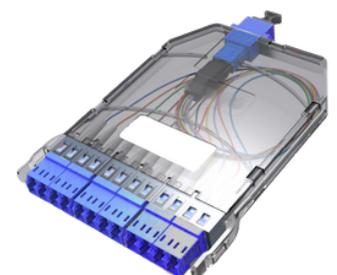
HDC-12LCL17D



HDC-12LCL14D



HDC-12LCAG19D



HDC-12LCH19D

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Ordering Information

Part Number	Fiber Mode	Fiber Count	Connector Type	MPO Gender	Polarity
HDC-12LCAH19D	OS2	12	LC/APC	Female	Straight Pinout
HDC-12LCAG19D	OS2	12	LC/APC	Male	Straight Pinout
HDC-12LCH19D	OS2	12	LC/UPC	Female	Straight Pinout
HDC-12LCG19D	OS2	12	LC/UPC	Male	Straight Pinout
HDC-12LCL16D	OM1	12	LC/UPC	Female	Straight Pinout
HDC-12LCK16D	OM1	12	LC/UPC	Male	Straight Pinout
HDC-12LCL17D	OM3	12	LC/UPC	Female	Straight Pinout
HDC-12LCK17D	OM3	12	LC/UPC	Male	Straight Pinout
HDC-12LCL14D	OM4	12	LC/UPC	Female	Straight Pinout
HDC-12LCK14D	OM4	12	LC/UPC	Male	Straight Pinout

- All models are fully compatible with UltraHD™ Series Patch Panels (1U, 2U, 4U)
- Default polarity is Straight Polarity (Method A). Other polarity available upon request
- Cassettes ship with dust caps

Custom Options

Fibertronics Inc. offers a wide range of **custom MPO/MTP® cassette configurations** to meet your exact specifications. These include:

- Custom fiber modes, connector types, and fiber counts
- MPO-to-MPO pass-through cassettes and custom pinout mapping boxes
- Unique connector mixes or fiber breakout layouts
- Private labeling and special color coding for identification

To request a custom solution, contact our sales team at: sales@fibertronics.com