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Fiber Indexing Terminals Series: New Product

CommScope is pleased to announce the global availabilty of the Fiber Indexing Terminal Series. Fiber indexing—an innovative new FTTx technology by CommScope—enables network operators to address the challenges of last mile deployment. By combining daisy chaining architecture with pre-cabled hardened connectivity, fiber indexing reduces cabling requirements, eliminates field splicing and enables operators to respond quickly and efficiently to sudden changes in the market.

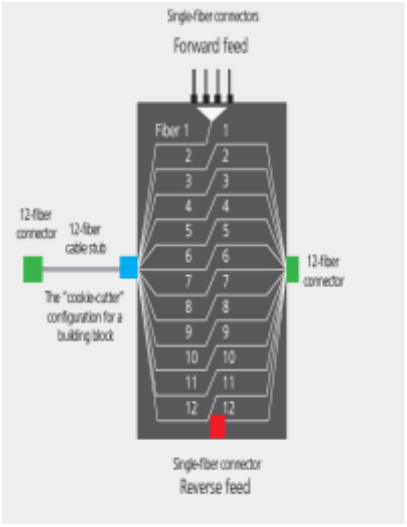
Benefits

- **Do more with less:** Fiber indexing can save up to 70% percent in fiber and installation costs while enabling crews to connect more locations per day and reduce cable congestion in the network.

- **Minimize field error**: Factory-terminated, color-coded, plug-and-play connectors practically eliminate installer errors. The hardened system is environmentally protected, end-to-end, for a reliable long-term solution.

- **Defer costs and prepare for growth:** Fiber indexing enables operators to deploy the network backbone in stages, saving on CapEx while creating a future-ready framework that can connect subscribers and support new services as soon as market demand materializes.

Fiber Indexing is the shifting of a fiber's position from one multi-fiber connector to another, within each terminal.



- The process begins with a 12-fiber cable from the fiber distribution hub (FDH) entering the first index terminal.
- Inside the terminal, the fibers divide and the signal from the fiber in the first position is routed to a 1:4 or 1:8 splitter for servicing local customers.
- The remaining fibers are "indexed"—advanced one position in the order—then combined using a 12-fiber Hardened Multi-Fiber Optical Connector (HMFOC).
- The exiting 12-fiber hardened cable connects to the next terminal where the indexing process is repeated.
- In a typical FTTx network, signals from the FDH travel "forward" from the first terminal to the last. When a second FDH cable is connected to the last terminal, the signal runs "backwards" toward the first terminal. Called "reversed feed," this technique makes additional fibers available, which providers can use to respond in a virtual instant to unforeseen demands for a wide range of revenue-generating services. Watch Fiber Indexing Video

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Features and Benefits

- No splicing required in the terminal
- No terminal re-entry required
- Available with hardened miniaturized DLX^{R} connector adapters
- Configurations available: fiber indexing (Fig.1), 1:4 or 1:8 integrated splitter (Fig. 2) or branching (Fig.3)
- Up to 12 terminals can be daisy-chained together, which can support up to 48 homes passed using 1:4 integrated splitters or up to 96 homes passed using 1:8 integrated splitters
- Connector ports colored and clearly labeled for fast installation
- Dielectric input stub cables
- Ships with universal mounting bracket (UMB) for pole, pedestal or hand-hole installations
- User-friendly packaging allows for easy unspooling
- Factory-sealed enclosure for environmental protection

Fig. 1

Fig. 2

Fig. 3

Fiber Indexing Terminals
Daisy-Chain Architecture

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Ordering Information

NDX – __ __ __ __ __ __ – __ __ __ __ __ __ __ F

Terminal model

06	1 x 4 splitter w/reverse
10	1 x 8 splitter w/reverse
D1	Index only, 1F w/reverse
B2	Branching, 2F
B3	Branching, 3F
B4	Branching, 4F
B5	Branching, 5F
B6	Branching, 6F
M2	Multi-use, 2F w/reverse
M3	Multi-use, 3F w/reverse
M4	Multi-use, 4F w/reverse

Housing type

B	Mini MST indexing terminal

Connector type housing

T	DLX adapters and 1 HMFOC
D	Index only, 1 HMFOC, 1 DLX, 1 DLX (reverse)
H	Branching, 2 HMFOC (only available for housing type 'B')
R	Multi-use, DLX and 1 HMFOC

Cable length

0010	10 feet	0600	600 feet
0050	50 feet	0750	750 feet
0100	100 feet	1000	1000 feet
0150	150 feet	1250	1250 feet
0200	200 feet	1500	1500 feet
0250	250 feet	1750	1750 feet
0350	350 feet	2000	2000 feet
0500	500 feet		

Cable type

A	Buried dielectric—flat

Mounting style

U	Universal (cable stub spool off reel first)
A	Aerial (terminal spool off reel first)

Tail end

00	Stub end
MO	HMFOC stub end

**Only standard lengths listed are offered*

Accessories

MID	Description
NDX-POLE-BRKT	Latch Storage Bracket for Mini-MST/NDX Terminal

Please visit our eCatalog at the link provided below.

eCAT Ordering

Please visit our eCatalog at the link provided below.

Pricing and product lead times are now available by contacting CommScope Customer Service.

Installations Instructions

For installation instructions visit link here: INSTALLATION INSTRUCTIONS

Check out CommScope's complete fiber access terminals portfolio: Fiber Access Terminals Portfolio

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