

OmniReach® FTTX Solutions

MDU Rapid Fiber System



ADC's new OmniReach® Rapid Fiber System is designed to eliminate the unique challenges posed by today's Multiple Dwelling Unit (MDU) buildings, when deploying FTTX networks. MDU buildings present service providers with diverse challenges such as varying cable pathways and distances between logical distribution points, demanding installation schedules and increased quality risks due to splicing. ADC's Rapid Fiber system is designed specifically to assist service providers when deploying MDU optical fiber distribution networks for a variety of architectures—and do so in less time and with less total cost on a consistent, high quality basis for every building.

ADC's Rapid Fiber system is the ultimate plug-and-play solution for delivering fast, durable and reliable service for mid- and high-rise MDUs and is available in multiple configurations to meet the unique requirements of each building.

The OmniReach Rapid Fiber system for MDU applications includes the following Fiber-to-the-Premises (FTTP) products:

- Rapid Indoor Fiber Distribution Hub 3000i
- Rapid MDU Collector Enclosure
- Rapid Fiber Distribution Terminal

ADC's Rapid Fiber system provides for quick and easy deployment with increased reliability which allows for fast service turn-up, improved network reach and lower overall network operating and maintenance costs.

Features and Benefits

- Reduces overall lead-time and installation process
- Innovative RapidReel™ technology
- Provides flexibility in deployment with various size terminals, cable types and standard cable lengths
- Utilizes Reduced Bend Radius Fiber
- Miniaturized cable requires less space for slack storage of excess fiber cable
- Simplifies ordering and inventory

SPEC SHEET



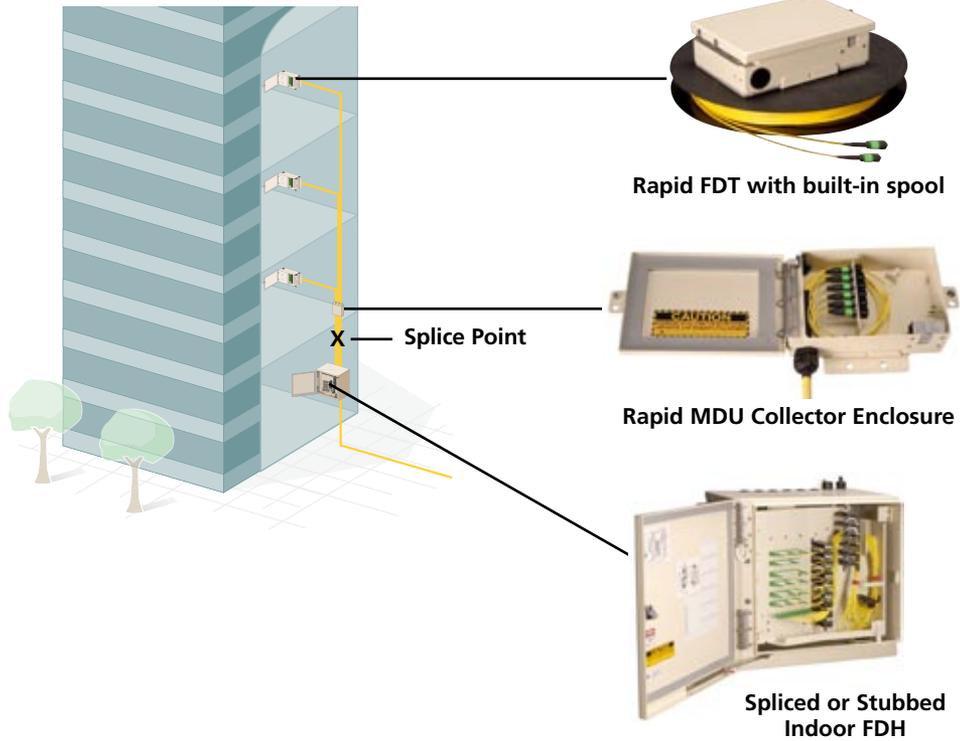
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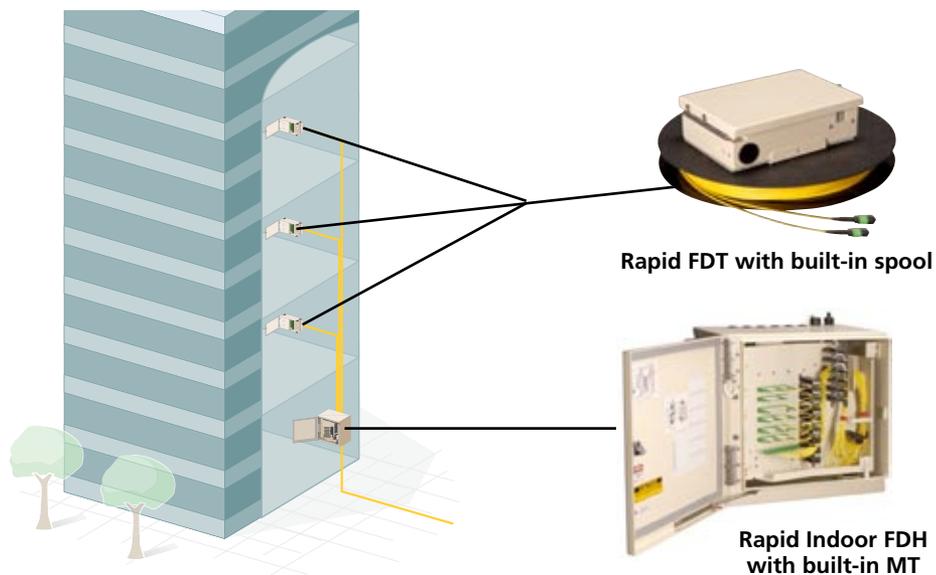
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MDU Rapid Fiber System

Configurations with Spliced or Stubbed IFDH



Indoor FDH Configurations with Built-in MT Connectors



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Rapid Indoor Fiber Distribution Hub 3000i

ADC's OmniReach® Rapid IFDH is an inside plant cabinet which serves as the main distribution and cross-connect point for the MDU. It supports integrated splicing, stubbed cables or integrated MT connectors. The Rapid IFDH is available in a variety of fiber counts accommodating up to 432 living units from a single cabinet.

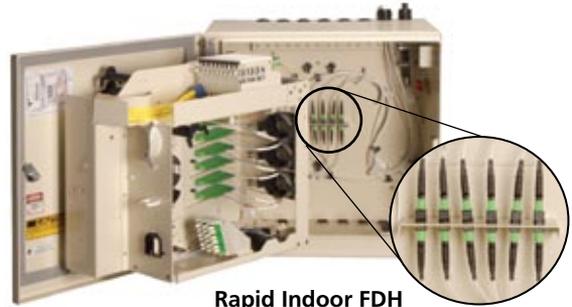
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Features and Benefits:

- Configurations include spliced, stubbed and MT connectors
- All configurations can be either wall or rack mounted with the hardware provided
- The MT connector configuration eliminates the need for MDU Collector Enclosure
- Traditional swing-frame design allows superior rear access
- Designed to meet NEMA-12 requirements



Rapid Indoor FDH with built-in MT



Rapid Indoor FDH with easy access to built-in MT panel

Specifications

	IFDH-72	IFDH-144/288	IFDH-432
Terminations:	Up to 72	Up to 288	Up to 432
Connectors:	SC/APC	SC/APC	SC/APC
F1 Splice Tray:	24-Fiber	48-Fiber	48-Fiber
F2 Splice Tray:	72-Fiber	288-Fiber	432-Fiber
Splitter Ports:	9	18	22
Rating:	NEMA-12	NEMA-12	NEMA-12
Height (wall-mount):	21"	29"	39"
Height (floor-mount):	33"	41"	51"
Width:	21"	21"	21"
Depth:	14.5"	14.5"	14.5"
Weight:	35 lbs.	50 lbs.	75 lbs.



Rapid Indoor Fiber Distribution Hub 3000i

Ordering Information

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Catalog Number

FD3-M

Cabinet Size

K	Indoor 72 cabinet
M	Indoor 288 cabinet
N	Indoor 432 cabinet

Distribution Fiber Count

072	72 fiber distribution
144	144 fiber distribution
216	216 fiber distribution
288	288 fiber distribution
360	360 fiber distribution
432	432 fiber distribution

Adapter Style

J	SC/APC
N	SC/UPC

No. Splitter Modules

0	No splitters
1	1 splitter
2	2 splitters
4	4 splitters

Splitter Type

0	No splitters
A	1x32 standard
C	1x16 standard
G	2x32 standard-power
J	1x8 standard
L	Dual 1x8 standard
M	Dual 1x16 standard
N	1x4 standard
P	2x16 standard
U	Dual 1x4 standard

Feeder Fiber Count

A	12 fibers
B	24 fibers
C	48 fibers
D	72 fibers

Feeder Cable Length

A	100' stub top entry
0	Spliced input

Feeder Cable Type

A	Indoor/outdoor ribbon stub
B	Riser ribbon stub
C	Indoor/outdoor loose tube stub
D	Riser loose tube stub
E	Stranded pigtails (splice)
F	Ribbon pigtails (splice)

Distribution Cable Configuration

A	All 72 fiber stubs
B	All 144 fiber stubs
C	Highest stub count possible
D	All 144 fiber stubs, except first 1-72
0	Spliced distribution
M	MT patch

Distribution Stub Length

A	50' stub
0	No stub

Distribution Cable Type

R	Riser ribbon stub
L	Riser loose tube stub
V	Loose tube pigtails
0	Ribbon pigtails
M	MT connectors



Rapid MDU Collector Enclosure

ADC's OmniReach® Rapid MDU Collector Enclosure serves as zoned, intermediate distribution points within the MDU for designs using MT cable stubs instead of splices. Each enclosure is wall mounted within the MDU building and accommodates up to six MT pairs and ships with 72-fiber riser ribbon stubs.



Rapid MDU Collector Enclosure (open)

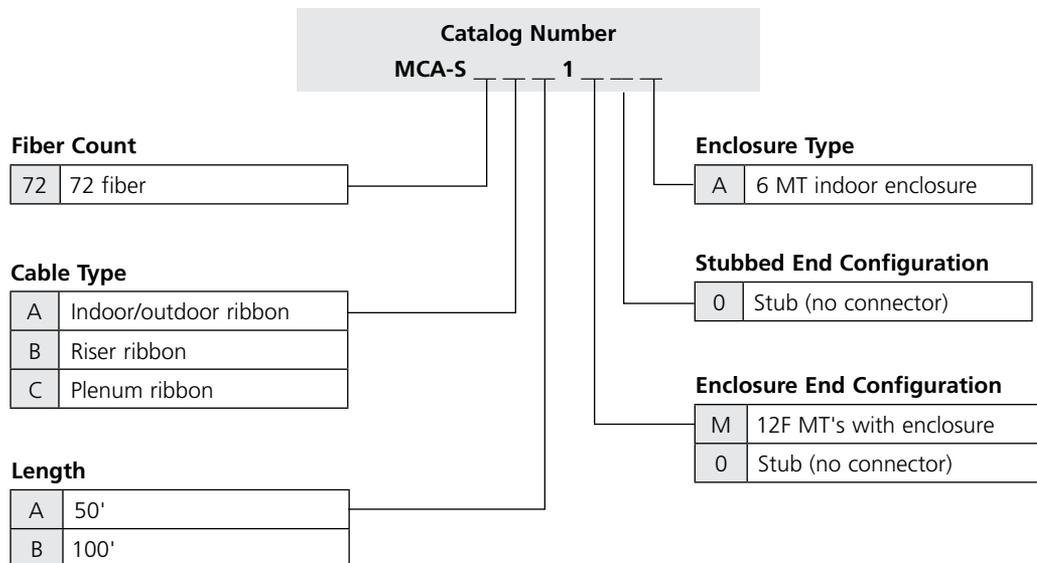
Features and Benefits:

- Accommodates up to 6 MT mated pairs
- Ships with 72-fiber riser ribbon stubs
- Slotted foam grommet provides easy drop installs while maintaining seal
- Same mounting pattern as the Fiber Distribution Terminal

Specifications

Fibers:	72
Cable Ports:	1 Top and Bottom
Jumper Ports:	1 Top and Bottom
Rating:	NEMA-12
Dimensions (HxWxD):	6.0" x 9.0" x 2.5"

Ordering Information



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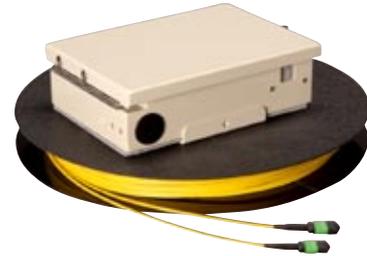


Rapid Fiber Distribution Terminal

ADC's OmniReach® Rapid Fiber Distribution Terminal serves as the final distribution point between the IFDH and living unit. It eliminates the need for splice cases and separate cable assemblies by integrating the patent-pending RapidReel™ cable payout system. The RapidReel system includes a built-in reel enabling quick payoff of up to 500 feet of MT stubbed 12 or 24 count optical fiber cable from a single 6"x9" wall box. The MT stub is pulled for installation into either the MDU Collector Enclosure or directly to an IFDH equipped with an MT patch panel. After installation the spool flanges can be broken away and the wall box is secured to the wall safely storing the remaining slack cable. Use of factory terminated and tested MT connectors instead of splicing provide a plug and play environment that reduces labor costs and speeds project completion.



Rapid FDT using slider adapter packs



Rapid FDT with built-in spool

Features and Benefits:

- Built-in spool allows for easy payoff of MT stub
- RapidReel technology allows the cable to payoff from the complete stubbed enclosure assembly
- Patented break-away spool flanges reduce slack storage size to within the enclosures footprint
- Designed for indoor and outdoor use
- Utilizes Reduced Bend Radius Fiber
- Designed to meet NEMA-4 and NEMA 12 requirements

Specifications

	Rapid FDT-12	Rapid FDT-24
Fibers:	12	24
Splice Trays:	(2) 12-fiber	(2) 12-fiber
Cable Ports:	1 top and bottom	1 top and bottom
Jumper Ports:	1 top and bottom	1 top and bottom
Rating:	NEMA-4, NEMA-12	NEMA-4, NEMA-12
Dimensions (HxWxD)		
no splice tray:	6"x9"x3.5"	6"x9"x3.5"
with optional splice tray:	6"x9"x5"	6"x9"x5"

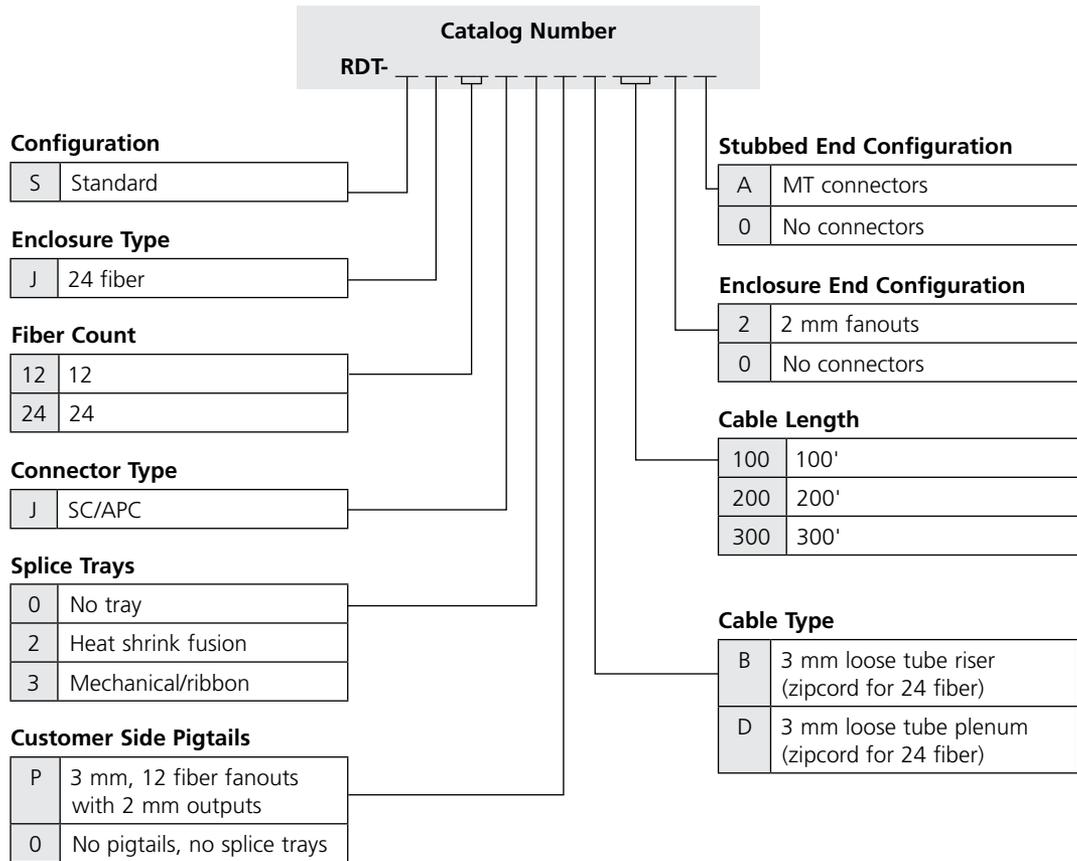
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Rapid Fiber Distribution Terminal

Ordering Information

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