

FiberRUN™

Rapid Deployment System

Solution Overview



FiberRUN™

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Wirewerks' FiberRUN™ Rapid Deployment System is a completely new fiber infrastructure solution specifically designed to address the challenges of deploying fiber cabling in multi-occupant buildings, including multi-dwelling unit (MDU) residential properties and multi-tenant unit (MTU) commercial properties.

The FiberRUN System's innovative new features allow communications service providers (CSPs) to deploy and support high-performance FTTP cabling quickly and efficiently in virtually any type of MDU/MTU property, including high-rise towers, low-rise buildings and garden home communities. In addition to servicing any physical type of property, FiberRUN's modular design configures (and re-configures) easily to support the preferred network design options for MDU/MTU properties, including both centralized and distributed fiber split topologies and C/D-WDM technologies.

FiberRUN Systems install quickly in both greenfield and brownfield MDU/MTU projects using less material and less labor with fewer specialized fiber techs. The result is faster deployment with improved reliability, reduced costs, shorter installation lead-times, and faster time-to-revenue for new subscriber connections.

Wirewerks FiberRUN Applications Matrix										
	Building/Property Type			Network Design Options			Fiber Termination & Installation Options		Installation Environment	
	Hi-Rise Towers	Low-Rise Buildings	Garden Homes	Centralized Split	Distributed Split	C/D-WDM	Pre-Term	Fusion Splice	Greenfield	Brownfield
MDU Multi-Dwelling Unit Residential	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MTU Multi-Tenant Unit Commercial	✓	Including Retail or Industrial Malls	-	✓	✓	✓	✓	✓	✓	✓

Wirewerks' FiberRUN Rapid Deployment Systems may be configured/equipped to support any of the applications noted in this chart. Some combinations of the applications are not typically used together. FiberRUN design and configuration specialists are available to assist you in optimizing a FiberRUN solution for your projects.



One in Three
households live in Multi-Dwelling Unit residential properties

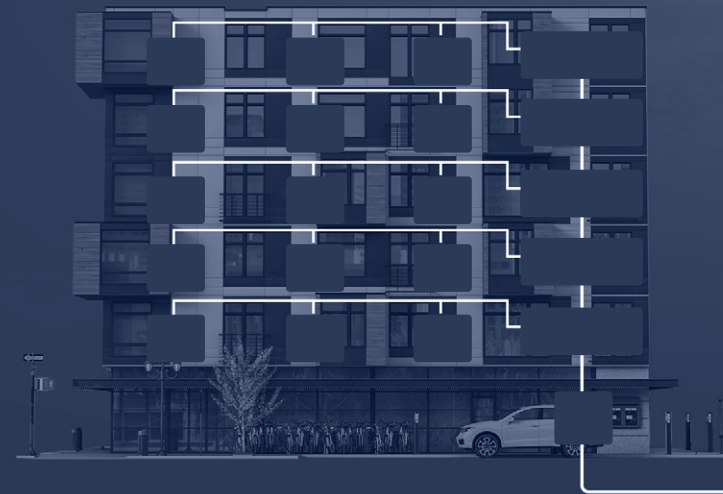
96 Billion sqft
of Commercial floorspace to grow to 124.6 billion sqft by 2050

Designed To Deploy Fiber Faster

The FiberRUN System features three main system elements that combine to enable fast fiber deployments in virtually any size or type of multi-occupant property, including hi-rise towers, retail or industrial malls, and mixed-use developments.












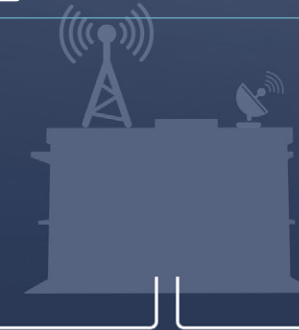
Scan or click to
download data sheets
for entire Solution



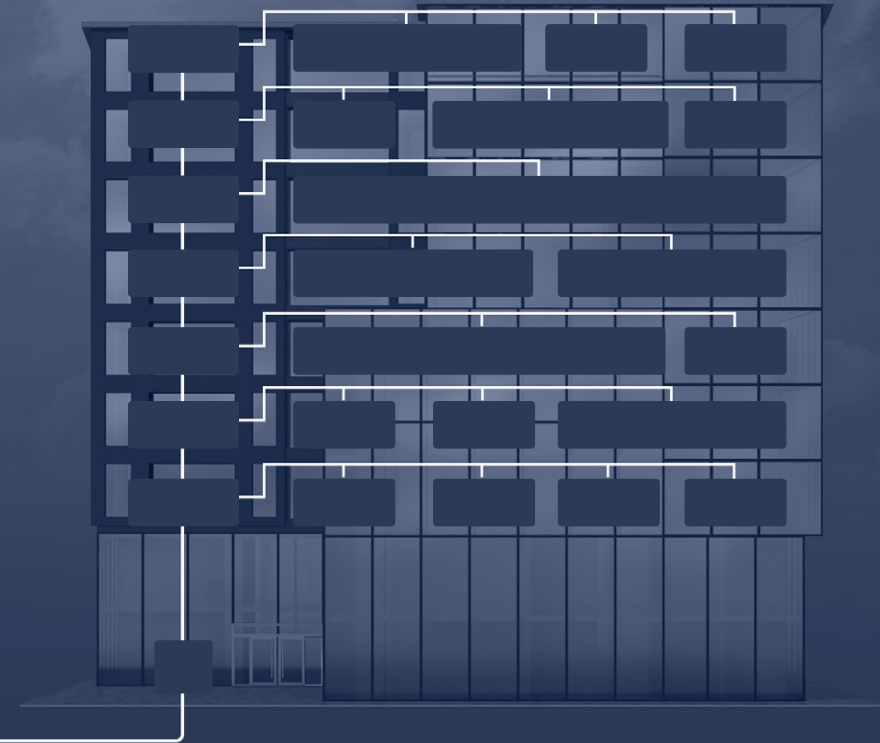
Hi-Rise/Low-Rise
MDU Residential Properties

LEGEND

-  Field Terminable Box
-  FiberRUN Expansion Hub
-  LGXtra 4-Strip Wall-Mount
-  FiberRUN Gateway
-  FiberRUN FLEX Hub
-  Business Subscriber Station
-  Entrance Room
-  Telecom Room
-  Subscriber Premise



Communications
Service Provider



Hi-Rise/Low-Rise
MTU Commercial Properties

At The Property's Fiber Entrance

The **FiberRUN Gateway** is installed at the property's fiber entrance to receive and manage incoming OSP fiber cables from the service provider's access network.

Rapid Deployment and Flexibility

The FR Gateway supports quick and easy installation with its modular design, accommodating a variety of application-specific, slide-in FiberRUN Modules, including:

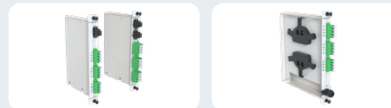
- Patch Modules with integrated splice trays
- Distribution Modules for plug-and-play fiber connectivity
- Splitter Modules* – 1:8, 1:16, 1:32
- C/D-WDM Modules in a variety of configurations

Compact and Secure Design

Featuring a compact footprint and a secure, tech-friendly design, the FR Gateway physically segregates OSP terminations from the in-building fiber distribution network ensuring protection against unintended subscriber service disruptions.

Efficient Connectivity

Pre-terminated FR Gateway Jumper Packs are available for fast and reliable port-to-port connectivity within the FR Gateway.



* Additional options available upon request

Fiber Distribution Throughout The Property

Instant Plug-and-Play Backbone Connections

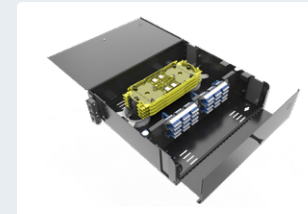
The FiberRUN FLEX Hub uses onboard, spooled MPO fiber cable assemblies, allowing technicians to unspool back to the FR Gateway, eliminating the need for mechanical or fusion splicing.

Scalability for Commercial Applications

In MTU commercial applications, the capacity of FR FLEX Hubs can be expanded with add-on FiberRUN Expansion Hubs, providing scalable solutions to meet growing demands.

Optimized Residential Coverage

In MDU residential topologies, the Expansion Hub and Wirewerks LGXtra™ Fiber Panels are used to optimize coverage, speed deployment, and reduce costs by providing a patch, splice, and splitter location throughout the building.



At Subscribers' Premises

FiberRUN Subscriber Stations receive and terminate fibers at each customer's premise.

FiberRUN Business Subscriber Station

The FR BSS rack/wall-mounts in the telecom closet and connects to the FR FLEX Hub cable assemblies for fast, splice-free connections. A 2/6/12F patch module option is available for higher fiber counts.

Surface-Mount Residential Subscriber Station

The FR Residential Subscriber Station is a compact, surface-mount enclosure with options for pre-terminated or fusion-splice fiber connectivity.

This design ensures efficient, scalable, and visually appealing fiber terminations for both business and residential subscribers.





Purpose Built To Benefit Service Providers In MDU/MTU Properties

Fiber Faster.

In new construction projects, FiberRUN's rapid installation process allows CSPs to complete their network deployments within the tight on-site installation windows assigned by the GC. Whether greenfield or brownfield projects, 'faster fiber' always means shorter installation times and reduced installation costs.

- **Fiber with Fewer.** FiberRUN is designed to deploy quickly with smaller installation crews and fewer fiber specialists. FiberRUN's focus on pre-terminated connectivity reduces the need for fusion-splicing specialists, simplifies testing, improves quality and increases network reliability.

Fiber with Less.

FiberRUN's ability to support virtually any MDU/MTU scenario with just three main hardware elements and a few plug-in fiber modules means easier ordering, simpler project provisioning and reduced inventories. FiberRUN's compact product line reduces technician-training requirements while improving installation quality and increasing network reliability at the same time.

- **Fiber for Scalability.** FiberRUN's modular design scales easily and efficiently, allowing CSPs to respond quickly to new or changing market conditions and opportunities. FiberRUN's support of high-ratio fiber split topologies and wavelength division multiplexing (WDM) harnesses the virtually unlimited bandwidth and scalability of optical fiber networking.
- **Fiber for Savings.** Smaller crews, fewer specialized techs, less material, reduced waste, increased reliability, scalability and longer lifespans make FiberRUN solutions the service provider's best choice for reduced CAPEX and OPEX in MDU/MTU properties.

Fiber for Max Revenues and Subscribers.

One in three households in the United States and Canada live in MDU residential properties, and the percentage of businesses located in MTU commercial properties is even higher. Service providers cannot afford to ignore the dense subscriber populations found in MDU/MTU properties, nor can they allow the competitive threat that arises with un-served/underserved MDU/MTU properties in their access network footprint. FiberRUN allows CSPs to maximum subscriber and revenue potential in MDU/MTU properties while countering competitive threats.

A Few Notable Fiber*RUN*™ Projects

FiberRUN solutions are being deployed right now by leading service providers throughout North America. Here are few notable FiberRUN projects:



Suffolk Downs
East Boston, MA

Mixed-use Development with 10,000 residential units (10.15 million ft² of housing), 450,000 ft² of retail space, 5.2 million ft² of life science and office spaces, and 400,000 ft² of hotels.



Scotia Plaza
Toronto, Ontario

68-storeys
2 million ft²

CASE STUDY



40 Temperance St
Toronto, Ontario

32 Storeys
810,000 ft²



EY Tower
Toronto, Ontario

42-storeys
900,000 ft²



The Well
Toronto, Ontario

Mixed-use Development with 1.1 million ft² of office space, 500,000 ft² of retail space, and 1,700 residential units spread throughout six buildings connected to a 3-level retail base.

wirewerks™

Enabling Agile Network Expansion

30+
YEARS

Wirewerks delivers award-winning advanced fiber and copper for smarter connectivity solutions.

We Know the complexities you face in transitioning to new network Technologies.

We Understand the need to upgrade efficiently and sustainably to meet the demands of higher throughput and lower latency.

We Provide structured cabling solutions that integrate smoothly today, and prepare you for the network expansions of tomorrow.

The Power of **We.**
With **Wirewerks.**

Enterprise LAN | Premise Network Solutions
FTTx | MDU | Hybrid In-Building Wireless
CO/Headend & Data Center Solutions

