

The number of internet-capable devices (phones, tablets, computers, etc.) continues to increase, placing a burden on existing infrastructure and creating bandwidth bottlenecks. This growing consumer demand for more robust and reliable bandwidth is challenging service providers to respond by maximizing their existing networks to increase speeds.

Most providers who are contemplating an upgrade from copper to fiber broadband are not in a position to do a full-scale rip and replace. Adding capacity in existing infrastructure is one way to quickly provide higher-quality, reliable service. Our traditional copper cross-connect cabinets can be retrofitted for fiber, enabling you to migrate to fiber at your own pace. Fiber frames are an innovative approach to balance sustainability, aesthetics, and deployment speed by using existing copper cross-connect cabinet infrastructure and converting them to high-density fiber distribution frames.

Each fiber frame provides optimized configuration port density for distribution, as well as input and pass-through, intuitive and organized fiber routing, and secure placement of ruggedized planar light circuit (PLC) splitters.

Fiber frames are designed to be modular, enabling them to work with most cabinets currently deployed in networks today. These frames will mount directly into the cabinets when used in conjunction with an optional hardware mounting kit or newly installed bottom frame support. The frames can be mounted in the same location and space that is available within an existing cabinet that could also mount the standard copper frame if required.

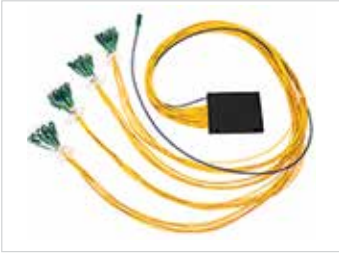


Example of a Fiber Frame in a Copper Cabinet

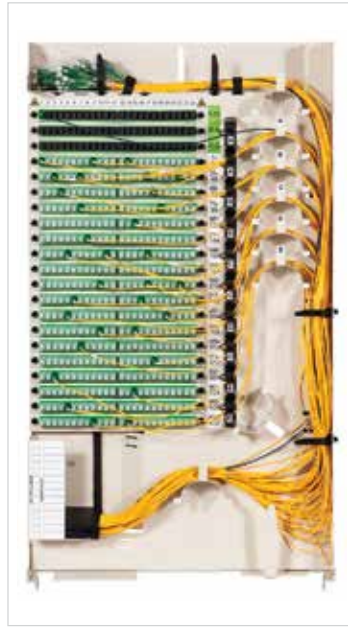
Features	Benefits
Low material, permit, and placement costs	Can help reduce cost of fiber deployments
Avoids permitting to place a new cabinet	Fast installation
Ability to use existing cabinet space instead of adding new infrastructure	Less visual pollution for residents
Less material than adding another cabinet to site	Sustainable alternative to traditional local convergence point deployments



Fiber Frame Installation Step



Single-Mode 1x32 Splitter Module



Fiber Frame SS 432/72

A conversion kit can be used to increase capacity for many by transitioning single-sided cabinets into double-sided cabinets or by turning a low-profile cabinet into a taller cabinet.

If a conversion kit won't supply enough additional capacity, expansion cabinets can help. These new, taller, wider, or deeper cabinet shells can replace existing cross-connect cabinet shells, as well as other manufacturers' cabinets that are installed in North American telecom networks. The combination of fiber frames and expansion cabinets allows for reskinning cabinets without disturbing existing connected customers.

Contact your local sales representative or customer care at 800-743-2675 for more information.

Category	Fiber Frame SS 288/72	Fiber Frame SS 432/72	Fiber Frame SSK 576/144	Fiber Frame SSD 864/144
Distribution Ports	288 SC APC	432 SC APC	576 SC APC	864 SC APC
Feed and Pass-Through Ports	72 SC APC	72 SC APC	144 SC APC	144 SC APC
Cable Type Distribution	288-fiber armored ribbon	432-fiber ribbon dielectric or armored	2 x 288-fiber armored ribbon	2 x 432-fiber ribbon dielectric or armored
Cable Type Feeder/ Pass Through	72-fiber armored ribbon	72-fiber ribbon dielectric or armored	2 x 72-fiber armored ribbon	2 x 72-fiber ribbon dielectric or armored
Splitter Module Capacity	14	14	18	28
Size	Fits in space of standard self-strip SS6 600-pair frame	Fits in space of standard self-strip SS6 600-pair frame	Fits in space of standard self-strip SS9K 900-pair frame	Fits in space of two standard self-strip SS6 600-pair frame
Stub Cable Length	100 ft or 328 ft	100 ft or 328 ft	100 ft or 328 ft	100 ft or 328 ft

Fiber Frames with Dielectric Ribbon Cable

Product Number	Fiber Frame Configuration Description
FFSS432/72SCA/DR/100/2-SM1X32	Fiber Frame SS 432/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 100-ft, 432-fiber distribution and one 100-ft 72-fiber feeder/pass-through, dielectric stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSS432/72SCA/DR/328/2-SM1X32	Fiber Frame SS 432/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 328-ft, 432-fiber distribution and one 328-ft, 72-fiber feeder/pass-through, dielectric stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSSD864/144SCA/DR/100/2-SM1X32	Fiber Frame SSD 864/144: This configuration is generally applicable where two side-by-side cross connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes two 100-ft, 432-fiber distribution and two 100-ft, 72-fiber feeder/pass-through, dielectric stubs. Two 1x32 splitters included.
FFSSD864/144SCA/DR/328/2-SM1X32	Fiber Frame SSD 864/144: This configuration is generally applicable where two side-by-side cross connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes two 328-ft, 432-fiber distribution and two 328-ft, 72-fiber feeder/pass-through, dielectric stubs. Two 1x32 splitters included.

Fiber Frames with Armored Ribbon Cable

Product Number	Fiber Frame Configuration Description
FFSS288/72SCA/AR/100/2-SM1X32	Fiber Frame SS 288/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 100-ft, 288-fiber distribution and one 100-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSS288/72SCA/AR/328/2-SM1X32	Fiber Frame SS 288/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 328-ft, 288-fiber distribution and one 328-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSS432/72SCA/AR/100/2-SM1X32	Fiber Frame SS 432/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 100-ft, 432-fiber distribution and one 100-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSS432/72SCA/AR/328/2-SM1X32	Fiber Frame SS 432/72: This configuration is generally applicable where cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes one 328-ft 432-fiber distribution and one 328-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSSK576/144SCA/AR/100/2-SM1X32	Fiber Frame SSK 576/144: This configuration is generally applicable where cross-connect cabinets 4320 SS9K (900 pair) frames apply. Fiber frame includes two 100-ft, 288-fiber distribution and two 100-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSSK576/144SCA/AR/328/2-SM1X32	Fiber Frame SSK 576/144: This configuration is generally applicable where cross-connect cabinets 4320 SS9K (900 pair) frames apply. Fiber frame includes two 328-ft, 288-fiber distribution and two 328-ft, 72-fiber feeder/pass-through, armored stubs. SC APC fiber ports. Two 1x32 splitters included.
FFSSD864/144SCA/AR/100/2-SM1X32	Fiber Frame SSD 864/144: This configuration is generally applicable where two side-by-side cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes two 100-ft, 432-fiber distribution and two 100-ft, 72-fiber feeder/pass-through, armored stubs. Two 1x32 splitters included.
FFSSD864/144SCA/AR/328/2-SM1X32	Fiber Frame SSD 864/144: This configuration is generally applicable where two side-by-side cross-connect cabinets 4320 SS6 (600 pair) frames apply. Fiber frame includes two 328-ft, 432-fiber distribution and two 328-ft 72-fiber feeder/pass-through, armored stubs. Two 1x32 splitters included.

Hardened Case Splitters

Product Number	Fiber Frame Configuration Description
FOS-SM2x1X16LHC-SCAPC-2MMJKT-1.2M	Dual 1x16 Splitter Module designed to fit fiber frames. SC APC connectors. 1.2 m (3.94 ft) inputs and outputs with 2 mm jumper jacket.
FOS-SM1X32LHC-SCAPC-2MMJKT-1.2M	1x32 Splitter Module designed to fit fiber frames. SC APC connectors. 1.2 m (3.94 ft) inputs and outputs with 2 mm jumper jacket.



Fiber Frame SS 288/72



Fiber Frame SS 432/72



Fiber Frame SSK 576/144



Fiber Frame SSD 864/144

CORNING

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA
 800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/ trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.
 © 2018 Corning Optical Communications. All rights reserved. CRR-931-AEN / December 2018