opticonx

It's more, It's PLUS.

Xtreme+ Solutions

FOR SERVICE PROVIDERS AND DATA CENTERS

Xtreme+ is a versatile platform including Trunk, Splice, and Pigtail cassettes that makes terminating fiber cables fast and economical. They feature superior protection, strain relief, and fiber routing of individual fibers in a fully enclosed cassette. Pre-managed fibers and the ability to install the cassette after termination or splicing save time, optional brackets allow retrofit into most LGX footprints.

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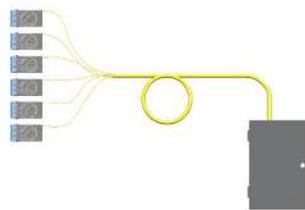
Xtreme+ Solutions

Xtreme+™ is Opticonx's FTTX cabling solution for building entrance facilities in the Data Center, Customer Premise, Head-End, or Colocation point.

Xtreme+ Trunk, Splice, and Pigtail cassettes provide an end-to-end cabling system of Xtreme low loss fusion spliced cables. Xtreme+ cassettes provide superior protection, strain relief, and fiber routing of individual fibers in an enclosed cassette with a see-through cover for easy fiber mapping and identification. They can be installed from the front or rear of the panel enclosure and virtually eliminate panel dress out and the associated risk of damage to individual fibers and connectors during installation.

Xtreme+ Splice cassettes can be mounted in any Opticonx patch panel or housing and can be made LGX compatible with optional LGX mounting brackets.

Xtreme+™ Trunk

Pre-terminated or pre-stubbed cassettes with multi-fiber indoor OFNR/OFNP cables for routing and splicing to building entrance splice vaults. Xtreme+ Trunks can also be spliced to Xtreme+ Splice Cassettes for inter or intra building networks.
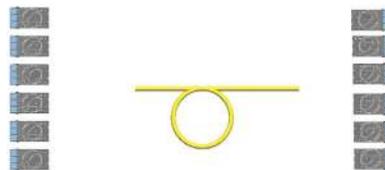
Xtreme+ Trunk to Splice Vault

Xtreme+ Trunk Cassettes in 1U Panel

Xtreme+™ Splice

Pre-packaged splice cassettes with 250μm single fiber or 12 fiber ribbon for splicing to multi-fiber intra and inter-building cables.

Xtreme+ Splice to Xtreme+ Splice

OS2 LC/UPC Cassette

Xtreme+™ Pigtail Splice

Pigtailed splice cassettes with 250μm single fiber or 12 fiber ribbon for splicing to multi-fiber intra and inter-building cables using a separate splice tray.

Xtreme+ Pigtail Splice to Splice Tray

OS2 LC/APC 900μm Pigtail

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Xtreme+™ Trunk

Pre-terminated or pre-stubbed cassettes with multi-fiber indoor OFNR/OFNP cables for routing and splicing to building entrance splice vaults. Xtreme+ Trunks can also be spliced to Xtreme+ Splice Cassettes for inter or intra building networks.

Xtreme+ Trunks are available with OS2, OS2 bend insensitive, OM3/OM4/OM5 fibers in fiber counts from 12-288 ribbon and 12-144 in indoor loose tube OFNP. Other cable types are available by request. Individual 12 fiber bundles from multi-fiber cables are broken out and protected with installed breakout kits and routed to individual 12 fiber cassettes.

Xtreme+ cassettes for pre-stubbed cables provide superior protection, strain relief, and fiber routing of individual fibers in an enclosed cassette with a see-through cover for easy fiber mapping and identification. They can be installed from the front or rear of the panel enclosure and virtually eliminate panel dress out and the associated risk of damage to individual fibers and connectors during installation.

Xtreme+ cassettes can be mounted in any Opticonx patch panel or housing and can be made LGX compatible with optional mounting brackets.

OS2 LC/UPC Cassette   **OS2 LC/APC Cassette**   **OM4 LC Cassette**

Ordering Information

		Fiber Type	Connector/Adapter Type	Cable Type	Fiber Count	Length
X+01		AA = Singlemode OS2 BA = Singlemode BI OS2 CB = OM3 DB = OM4 FB = OM4 Magenta HB = OM5	14 = LC Multimode 15 = LC Singlemode OS2 31 = LC Singlemode APC	MP = Micro Distribution RP = Ribbon	01= 12 02 = 24 03 = 36 04 = 48 06 = 72 08* = 96 12* = 144 16* = 192 24* = 288	5 Meter Increments

*Ribbon cable only

Specifications

GENERAL SPECIFICATIONS	
Fiber Count/Port Count	12/6 per cassette
Front Adapter Type	Shuttered LC
Front Adapter Color	Aqua (OM3,OM4), Blue UPC, Green APC
Polarity	Method A
OPTICAL SPECIFICATIONS	
Insertion loss multi-mode	< - 0.25dB
Insertion loss singlemode	< - 0.35dB UPC, < - 0.50dB APC
Reflectance singlemode	< - 55dB UPC, < - 65dB APC

Xtreme+™ Splice

Pre-packaged splice cassettes with 250μm single fiber or 12 fiber ribbon for splicing to multi-fiber intra and inter-building cables.

Xtreme+ Cassettes are available with OS2, OS2 bend insensitive, OM3/OM4/OM5 fibers with 6 (SC only) or 12 fiber (SC and LC) capacity and include splice holder/organizer, splice sleeve(s), and factory terminated 250μm pigtail(s) 1.5 meters long. They are available with SC or LC connectors/adapters in UPC or APC polish.

Xtreme+ Cassettes for splicing provide superior protection, strain relief, and fiber routing to individual fibers in an enclosed cassette with a see-through cover for easy fiber mapping and identification. They can be installed from the front or rear of the panel enclosure and virtually eliminate panel dress out and the associated risk of damage to individual fibers and connectors during installation.

Xtreme+ Splice Cassettes can be mounted in any Opticonx patch panel or housing and can be made LGX compatible with optional LGX mounting brackets.

OS2 SC/UPC Cassette   **OS2 LC/APC Ribbon Cassette**   **OS2 LC/UPC Ribbon Cassette**

Ordering Information

	Fiber Type	Connector/Adapter Type	Cable Type	Fiber Count
X+02	AA = Singlemode OS2 BA = Singlemode BI OS2 CB = OM3 DB = OM4 HB = OM5	14 = LC Multimode 15 = LC Singlemode 31 = LC Singlemode APC 02 = Singlemode SC 32 = SC Singlemode APC	FB = 250μm SIngle Fiber RB = 250μm Ribbon Fiber	00 = 6 01 = 12

Specifications

GENERAL SPECIFICATIONS	
Fiber Count/Port Count	12/6 per cassette
Front Adapter Type	Shuttered LC, SC
Front Adapter Color	Aqua (OM3,OM4), Blue UPC, Green APC
Polarity	Method A
OPTICAL SPECIFICATIONS	
Insertion loss multi-mode	< - 0.25dB
Insertion loss singlemode	< - 0.35dB UPC, < - 0.50dB APC
Reflectance singlemode	< - 55dB UPC, < - 65dB APC

Xtreme+™ Pigtail Splice

Pigtailed splice cassettes with 250µm single fiber or 12 fiber ribbon for splicing to multi-fiber intra and inter-building cables using a separate splice tray.

Xtreme+ Cassettes are available with OS2, OS2 bend insensitive, OM3/OM4/OM5 fibers with 6 (SC only) or 12 fiber (SC and LC) capacity with a factory terminated 250 or 900µm pigtail of jacketed single fiber bundle (6 or 12) or 12 250µm fiber ribbon, jacketed, 5 meters long. They are available with SC or LC connectors/adapters in UPC or APC polish.

Xtreme+ cassettes for pigtail splicing provide superior protection, strain relief, and fiber routing to individual fibers in an enclosed cassette with a see-through cover for easy fiber mapping and identification. They can be installed from the front or rear of the panel enclosure and virtually eliminate panel dress out and the associated risk of damage to individual fibers and connectors during installation.

Xtreme+ Splice cassettes can be mounted in any Opticonx patch panel or housing and can be made LGX compatible with optional LGX mounting brackets.

OS2 LC/APC 900µm Pigtail   *OS2 SC 6 fiber 900µm Pigtail*   *OS2 LC/UPC 900µm Pigtail*

Ordering Information

	Fiber Type	Connector/Adapter Type	Cable Type	Fiber Count
X+03	AA = Singlemode OS2 BA = Singlemode BI OS2 CB = OM3 DB = OM4 FB = OM4 Magenta HB = OM5	14 = LC Multimode 15 = LC Singlemode 31 = Singlemode APC 02 = SC Singlemode 32 = SC Singlemode APC	RP = Ribbon MP = 250µm PR = 900µm	00 = 6 Fiber 01 = 12 Fiber

- 65dB

GENERAL SPECIFICATIONS	
Fiber Count/Port Count	12/6 per cassette
Front Adapter Type	Shuttered LC, SC
Front Adapter Color	Aqua (OM3,OM4), Blue UPC, Green APC
Polarity	Method A
Pigtail Length	5 Meters (16 ft)
OPTICAL SPECIFICATIONS	
Insertion loss multi-mode	< - 0.25dB
Insertion loss singlemode	< - 0.35dB UPC, < - 0.50dB APC
Reflectance singlemode	< - 55dB UPC, < - 65dB APC

Related Products

UBR Ribbon Kit

Ribbon Breakout Kits

Opticonx UBR Series Breakout Kits are designed to breakout, manage, protect and direct terminate high ribbon count cables. Each 12 fiber ribbon in the unitube/central tube cable is broken out into individual color-coded tubes for ease of management and protection of "bare" ribbons. These protected ribbons can then be routed to Xtreme+ Splice Cassettes.

DESCRIPTION	PART NUMBER
Accepts 1 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-12
Accepts 2 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-24
Accepts 3 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-36
Accepts 4 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-48
Accepts 6 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-72
Accepts 8 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-96
Accepts 12 x 12 fiber ribbons, color-coded, 2 meter tubing	UBR-144

UBK Central Tube Kit

Central Tube Breakout Kits

Opticonx UBK Series breakout kits manage and protect the routing of high fiber count central tube cables. Each bundle of (12) 250µm fibers in the unitube/central tube cable is broken out into individual color-coded tubes for better management and protection of the 12 individual 250µm fibers. These bundles of 12 fibers can then be easily managed while routing to Xtreme+ Splice Cassettes.

DESCRIPTION	PART NUMBER
Accepts 1 bundle of 12 fibers, color-coded, 2 meter tubing	UBK-12
Accepts 2 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-24
Accepts 3 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-36
Accepts 4 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-48
Accepts 6 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-72
Accepts 8 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-96
Accepts 12 bundles of 12 fibers, color-coded, 2 meter tubing	UBK-144

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Patch Panels

Xtreme+ Rack Mount panels can accept up to 12 Xtreme+ Splice or Trunk Cassettes for a total capacity of 144 fibers in 1 rack space unit. They feature a slide-out shelf for access to the rear of the panel from the front of the rack, integrated cable management and bend radius control of incoming fibers and outgoing patch cables.

Front and Rear Cover Removed

Closed Position with Front Cover

DESCRIPTION	PART NUMBER
1U, 12 position, 144 fibers	FBX121U

LGX Adapter Brackets

LGX Adapter Brackets allow Xtreme+ Cassettes to be housed in most LGX compatible patch panels. They are available in single and double cassette mount versions.

Single Cassette LGX Bracket

Double Cassette LGX Bracket

DESCRIPTION	PART NUMBER
Single cassette LGX bracket	P3XRF-1
Double cassette LGX bracket	P3XRF-2

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About Opticonx

Opticonx, Inc. designs manufactures, and markets a full line of passive fiber optic connectivity components and systems at our Putnam, Connecticut manufacturing facility. Since our inception in 1995, Opticonx has focused on incorporating top notch design with the highest quality components to produce fiber optic connectivity products and solutions for voice, video, and data applications. Our products include components like cable, cable assemblies, patch panels and splitter kits, and complete Layer 1 infrastructure like our innovative Xtreme™ plug and play fiber system for Data Centers and Campus wide systems.

By focusing all of our efforts on passive fiber solutions, and leveraging our ability to design and manufacture our products under one roof, Opticonx is able to offer rapid prototype and time-to-market custom solutions, keeping our products on the cutting edge of next generation technology. In particular, Opticonx has been a leader in pre-terminated MTP/MPO systems because we manufacture the complete system and its components, including the cable, in our US manufacturing facility.

These same capabilities provide us unique manufacturing capabilities for OEM and private label applications and customers.

Site Certified

Opticonx Certified Sites are Data Center installations designed by Opticonx utilizing 100% of our Xtreme™ products, installed and tested by Opticonx certified installers. Certified Sites are eligible for our extended product and performance warranty program. Each site installation is evaluated before hand to determine if it is eligible for Site Certification. Consult with your Opticonx representative beforehand if you're interested in this program.

Cabling Guides

Need help designing a structured cabling system that will meet your current and future needs? Our experts have extensive experience with the most popular network switches/devices and network topologies from Cisco, Arista, Brocade, HP, Dell and many more. Our designer's purpose is to deliver a cabling infrastructure that is cost effective, fully utilizes the installed cabling plant, and protects your investment with an eye towards future network upgrades. You'll receive a comprehensive and detailed document laying out your cabling infrastructure and layout.

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