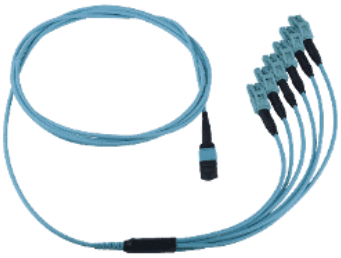
Xtreme™ & XtremePRO™ MTP® Fiber Assemblies

Opticonx Technologies manufactures a full line of singlemode and multi mode, MTP® Jumpers , Trunks and breakout/fanout Harness Cables. These assemblies are typically utilized in pre-terminated fiber systems and data centers to improve quality and reduce installation time.

Our MTP® assemblies are available in bend insensitive (BI), OS2 singlemode and OM3, OM4 and OM5 multi mode fiber. Custom lengths, fiber types, jacket colors, connector types, breakouts and labeling are available. The MTP® connector design offers novel patented features, enhanced precision, proven reliability, and significant performance improvements compared to the standard MPO connector format.



Opticonx manufactures our Xtreme™ cable assemblies in the U.S.A., using only top quality components, equipment, and processes resulting in product that meets or exceeds even the most demanding specifications. Our Xtreme™ cable assemblies come with a standard 15 year limited warranty ensures years of worry free service.

Our Xtreme™ fiber optic assemblies are manufactured in the U.S.A, meeting the new requirements for the NTIA Broadband, Equity, Access & Deployment (BEAD), a federal grant program created in 2021 and the Build America, Buy America (BABA), Act, created in 2021 as part of the Bipartisan Infrastructure Law.

Moreover, for decades our Xtreme™ fiber optic assemblies have been manufactured in the U.S.A. in strict adherence of the Trade Agreement Act (19 U.S.C. & 2501-2581) and the Buy American Act (4 U.S.C. & 10a-10d).

***MTP® is a high quality form of an MPO connector, and is a registered Trademark of USCONEC.**

Xtreme™ MTP® Jumpers

Jumper cables are typically used to make the final connection from patch panels to equipment ports, or they are used in the cross connect as a means of connecting two independent backbone links.

Opticonx's line of performance MTP® jumpers are designed to simplify cable organization and provide easy technician access in high-density environments. These 12-fiber cable assemblies are built with a flexible 3.0 mm, OFNP-rated jacket and are optimized for use in intra-cabinet or in-rack applications. Our MTP® jumpers utilize precision ferrules, precise housing dimension and metal guide pins to ensure accurate fiber positioning when mating. This results in the highest possible optical performance.

Features:

- Compact 3.0mm OD Jacket
- UL OFNP-rated Jacket
- High-quality, MTP® Connectors
- Robust, flexible construction
- 100% testing

Ordering Information:

Style	Fiber Type	MTP® Genders	IL Performance	U/M	Length	Polarity Method
P3XJ	CB=OM3 Aqua	66=male/pinned to male/pinned	L=Standard ≤0.50dB	M=Mt	XXX	A=A
	DB=OM4 Aqua			F=Ft		B=B
	FB=OM4 Magenta	99=female/unpinned to female/unpinned				C=C
	HB=OM5 Green		X=Elite ≤0.35dB			
	BA=OS2 Yellow	96=female/unpinned to male/pinned				

Example: P3XJBA66XM001A

MTP®(male) to MTP®(male) OS2 Yellow, 12 fiber jumper, Elite Performance, 1 meter, Method A

Xtreme™ MTP® Trunks

Trunk cables are typically used to make the connections between the backs of patch panels or from patch panels to equipment ports, running between equipment racks and cabinets in overhead conveyance or underfloor applications

Opticonx's factory-terminated trunk cables are fully customizable with regards to length, fiber type, fiber count, polarity, and pin configuration. Although MTPs are already fast and easy to install, an optional pulling eye is available to simplify installation. These are multi-fiber cable assemblies are built with a robust, 5.5 mm, OFNP-rated jacket and are optimized for use in inter-cabinet or rack applications in data center or lab environments. 12-fiber legs are individually furcated prior to termination on MTP® connectors. Our MTP® trunks utilize precision ferrules, precise housing dimension and metal guide pins to ensure accurate fiber positioning when mating. This results in the highest possible optical performance.

Features:

- Ruggedized 5.5mm OD Jacket
- OFNP-rated Jacket
- High-quality, MTP® Connectors
- Robust, flexible construction
- 12, 24, 36, 48, 72 or 144 fiber counts
- 100% testing

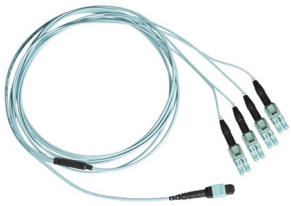
Ordering Information:

Style	Fiber Count	Fiber Type	MTP® Genders	IL Performance	U/M	Length	Pulling Eye	Polarity Method
P3XM	1=12	CB=OM3 Aqua	66=male/pinned to male/pinned	L=Standard ≤ 0.50dB	M=Mt	XXX	0=None	A=A
	2=24	DB=OM4 Aqua			F=Ft		1=1end	B=B
	3=36	FB=OM4 Magenta	99=female/unpinned to female/unpinned				2=2ends	C=C
	4=48	HB=OM5 Green		X=Elite				
	6=72	BA=OS2 Yellow	96=female/unpinned to male/pinned	≤ 0.35dB				
	7=96							
	8=144							

Example: P3XM4CB99LM0251A

MTP®(female) to MTP®(female) OM3 Aqua, 48 fiber, Std Performance, 25 meters, 1 Pulling Eye, Method A

Xtreme™ MTP® to LC Uniboot Breakout / Fanout Harnesses



There are two main types of harness cables used in data center applications.

1. **Transition harnesses**—used to make final connections from MTP® trunks at a patch panel to high-density switches and routers with LC serial transceivers installed. Transition harnesses are available for Base-8, 12 backbones.
2. **Conversion harnesses** — allow users to convert their existing MTP® backbone cables to an MTP® type which matches their active equipment. Conversion harnesses are a low-loss alternative to conversion modules because they eliminate one mated MTP® pair across the link.

Features:

- Ruggedized Jacket to 2.0mm round duplex cable legs
- OFNP-rated Jacket
- High-quality, MTP® & Uniboot LC Connectors
- Robust, flexible construction
- 12, 24, 36, 48 or 72 fiber counts

Note:

- MTP® to MTP® harness and other custom configurations are also available. Please contact us for ordering information.

Ordering Information:

Style / Count	Fiber Type	MTP® Gender	IL Performance	U/M	Length	Polarity Method	Stagger	Breakout Length
X12HN - 12f	CB=OM3 Aqua	6=male/pinned	L=Standard	M=Mt	XX	A=A	0=None	1=12"
X8HN - 8F	DB=OM4 Aqua	9=female/unpinned	≤ 0.50dB	F=Ft		B=B	1=low to high	2=18"
	FB=OM4 Magenta					C=C	2=high to low	3=24"
	HB=OM5 Green		X=Elite			U=Universal		4=36"
	BA=OS2 Yellow		≤ 0.35dB					5=48"

Example: 12HNHB6LM03A03

MTP®(male) to 6 X Duplex LC Uniboot OM5 Aqua, 12 fiber harness, Std Performance, 3 meters, Method A, no stagger, 24" breakouts

OM3, OM4, OM5 and OS2 Trunks, Jumpers and Harnesses

XtremePRO™ multi fiber connectors offer the ultimate in field configurable MTP® /MPO performance. Based on USCONEC's proven MTP® technology, XtremePRO™ offers quick and efficient pin and polarity re-configuration. It's all the performance you've come to expect from the MTP® connector with enhanced performance and features.

XtremePRO™ MTP® jumpers, trunks and harnesses are factory terminated with a 12 fiber Elite MTP® Pro* connector.

Xtreme Elite low insertion loss(IL): Better link performance for longer distances and more interconnect points

Features:

- High-quality, MTP® PRO & Uniboot LC Connectors
- OFNP-rated Jacket
- Use in 8 or 12 fiber networks
- Robust, flexible construction
- 12—144 fiber counts

Colors:

- Connectors available in OM3, OM4 (aqua), OM5 or OS2 (green).
- Cables available in OM3 or OM4 fibers (aqua jacket), OM5 (lime green jacket) or OS2 Bend -insensitive fibers (yellow jacket)

***MTP Pro and MTP Elite are registered trademarks of USCONEC**

XtremePRO™ MTP® Jumpers

Ordering Information:

- Compact 3.0mm OD Jacket

Style / Count	Fiber Type	MTP® PRO Genders	IL Performance	U/M	Length	Polarity Method
XJP - 12 Fiber X8JP - 8 Fiber	CB=OM3 Aqua DB=OM4 Aqua FB=OM4 Magenta HB=OM5 Green BA=OS2 Yellow	66=male/pinned to male/pinned 99=female/unpinned to female/unpinned 96=female/unpinned to male/pinned	X=Elite ≤ 0.35dB	M=Mt F=Ft	XXX	A=A B=B C=C

Example: XJPDB66XF020C

MTP®PRO(male) to MTP®PRO(male) OM4 Aqua, 12 fiber jumper, Elite Performance, 20 feet, Method C

XtremePRO™ MTP® Trunks

Ordering Information:

- Rugged 5.5mm OD Jacket

Style / Count	Fiber Count	Fiber Type	MTP® PRO Genders	IL Performance	U/M	Length	Pulling Eye	Polarity Method
XMP - 12 Fiber X8MP - 8 Fiber	1=12 2=24 3=36 4=48 6=72 7=96 8=144	CB=OM3 Aqua DB=OM4 Aqua FB=OM4 Magenta HB=OM5 Green BA=OS2 Yellow	66=male/pinned to male/pinned 99=female/unpinned to female/unpinned 96=female/unpinned to male/pinned	X=Elite ≤ 0.35dB	M=Mt F=Ft	XXX	0=None 1=1end 2=2ends	A=A B=B C=C

Example: X8MP4BA96XM0951A

MTP®PRO(female) to MTP®PRO(male) OS2 Yellow, 48 fiber trunk, Elite Performance, 95 meters, Method A

XtremePRO™ MTP® to LC Uniboot Harnesses

Ordering Information:

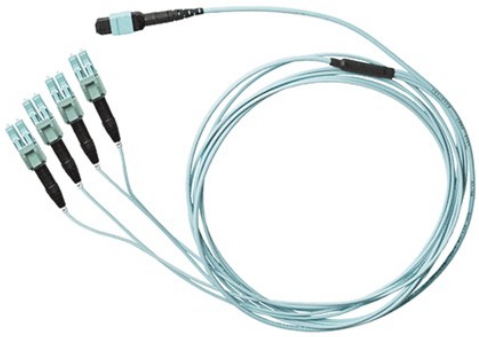
Style / Count	Fiber Type	MTP® PRO Gender	IL Performance	U/M	Length	Polarity Method	Stagger	Breakout Length
XHP - 12 Fiber	CB=OM3 Aqua	6=male/pinned	X=Elite	M=Mt	XX	A=A	0=None	1=12"
X8HP - 8 Fiber	DB=OM4 Aqua	9=female/unpinned	≤ 0.35dB	F=Ft		B=B	1=low to high	2=18"
	FB=OM4 Magenta					C=C	2=high to low	3=24"
	HB=OM5 Green					U=Universal		4=36"
	BA=OS2 Yellow							5=48"

Example: XHPFB9XM03B11

XtremePRO™ MTP® (female) to 6 x Duplex LC Uniboot, OM4 Magenta 12 fiber harness, Elite Performance, 3 meters, Method B, stagger, 12" breakout length

Note:

- XtremePRO™ MTP® to XtremePRO™ MTP® harness and other custom configurations are also available. Please contact us for ordering information.



Looking for other fiber optic products?

Opticonx designs and manufactures a broad portfolio of passive network optical cabling systems and solutions. These solutions can be used to cover a wide variety of Layer 1 network infrastructure applications, including data center switch fabrics, local area networking (LAN), wide area networking (WAN), campus backbones, small cells, FTTx and more

Complimentary Products:

- MTP® adapter panels and cassettes

6 x MTP®

MTP® to 12 x LC OM4

- High-Density Patch Panels

1RU, 12-slot Patch Panel

Custom Assemblies

Bring us your requirements and we will work with you to customize a solution. From color coding jackets to nonstandard cable or connector types to custom wiring and labeling, Opticonx has the equipment, knowledge, and experience to meet even the most demanding applications.

Xtreme™ & XtremePRO™ MTP® Fiber Assemblies

Optical Performance:

Connector:	OM3/4/5	OS2
	Max. Insertion Loss (IL)	
Standard MTP®	≤ 0.50dB	≤ 1.0dB
Elite MTP®	≤ 0.35dB	≤ 0.60dB
	Max. Attenuation	
1310nm	1.0dB/Km	0.4dB/Km
1550nm	N/A	0.3dB/Km

Testing / Packaging

Every Opticonx manufactured cable assembly is 100 percent optically inspected and tested for insertion loss and return loss. These results are available in digital format upon request. If required, interferometer results can also be included (must be specified before ordering). Each assembly is individually bagged with part number, description, and use and care instructions.

Environmental:

RoHS COMPLIANT

REACH COMPLIANCE

Technical:

- ANSI/TIA/EIA — 492X, 568.X
- ITU-T — G.657.X / G.652.X
- NEC— OFNR, OFNP

Government:

TAA COMPLIANT

BAA COMPLIANT

In strict adherence of the Trade Agreement Act (19 U.S.C. & 2501-2581) and the Buy American Act (4 U.S.C. & 10a-10d), Opticonx Xtreme™ fiber products are manufactured in the U.S.A.

BroadbandUSA

Opticonx Xtreme™ fiber optic products are manufactured in the U.S.A, meeting the new requirements for the Broadband, Equity, Access & Deployment (BEAD), and the Build America, Buy America (BABA), Act

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