FIBER DATA CENTERS

MPO&MTP PRODUCTS

PROFESSIONAL MPO/MTP TRUNK CABLE MANUFACTURER DEDICATED TO AI & COMPUTING DATA CENTER INTERCONNECTION.

STRIVE ENDLESS TO REALIZE FASTER COMMUNICATION IN THE WORLD.

2026

SINCE 2007

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DATA CENTER PRODUCTS

01 | MPO TRUNK CABLE

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

12F MPO-MPO patch cord

FIBER DATA CENTERS

Description

MPO-MPO 3.0mm LSZH Patch cable/trunk cable. MPO Fiber Patch cable/trunk cable is terminated with MPO connector on both ends. MPO Patch cable/trunk cables connect MPO modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect cassettes, panels or ruggedized MPO fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MPO also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

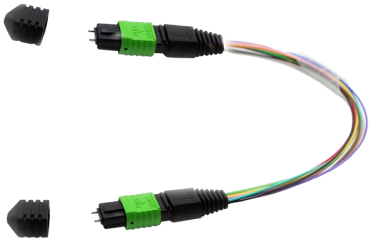
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F SM MPO-MPO patch cord



12F SM MPO-MPO patch cord

12F OM4 MPO-MPO patch cord

sales@fiberdatacenters.com

MPO&MTP Products

16F MPO-MPO patch cord

FIBER DATA CENTERS

Description

MPO-MPO 3.0mm LSZH Patch cable/trunk cable. MPO Fiber Patch cable/trunk cable is terminated with MPO connector on both ends. MPO Patch cable/trunk cables connect MPO modules together as a permanent link. The Patch cable/trunk cables are available with 12, 16, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect cassettes, panels or ruggedized MPO fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MPO also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

16F SM MPO-MPO patch cord

16F OM4 MPO-MPO patch cord

16F OM5 MPO-MPO patch cord

sales@fiberdatacenters.com

MPO&MTP Products

24F MPO-MPO Patch cord

FIBER DATA CENTERS

Description

MPO-MPO 3.0mm LSZH Patch cable/trunk cable. MPO Fiber Patch cable/trunk cable is terminated with MPO connector on both ends. MPO Patch cable/trunk cables connect MPO modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect cassettes, panels or ruggedized MPO fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MPO also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

24F SM MPO-MPO Patch cord

OM3 24F MPO-MPO Patch cord

OM4 24F MPO-MPO Patch cord

MPO&MTP Products

12F-144F MPO-MPO Trunk Cable

FIBER DATA CENTERS

Description

12F-144F MPO/MTP TRUNK CABLE is terminated with MPO/MTP connector on both ends. MPO/MTP Patch cable/ trunk cables connect MPO/MTP modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect cassettes, panels or ruggedized MPO/MTP fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MPO/MTP also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

48F SM MPO –MPO Trunk Cable

48F OM4 MPO-MPO Trunk Cable WithWoven mesh cover

48F MPO-MPO Trunk Cable with China made MPO

02 | MTP TRUNK CABLE

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

12F MTP-MTP Trunk cable

FIBER DATA CENTERS

Description

MTP Fiber Patch cable/trunk cable is terminated with MTP connector on both ends. MTP Patch cable/trunk cables connect MTP modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to inter-connect cassettes, panels or ruggedized MTP fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MTP also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite loss: ≤0.35dB(max), ≤0.20dB(Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite Low loss: ≤0.35dB(max) , ≤0.20dB(Typical)
Return loss(MTP)	⩾60dB (8degree polishing)	⩾25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F SM MTP-MTP Trunk cable

12F OM4 MTP-MTP Trunk cable

12F OM5 MTP-MTP Trunk cable

sales@fiberdatacenters.com

MPO&MTP Products

24F MTP-MTP Trunk cable

FIBER DATA CENTERS

Description

24F MTP Fiber Patch cable/trunk cable is terminated with MTP connector on both ends. MTP Patch cable/trunk cables connect MTP modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to inter-connect cassettes, panels or ruggedized MTP fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MTP also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite loss: ≤0.35dB(max), ≤0.20dB(Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite Low loss: ≤0.35dB(max) , ≤0.20dB(Typical)
Return loss(MTP)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

24F MTP-MTP Trunk cable Standard loss

24F OM5 MTP-MTP Trunk cable

OM4 24F MTP-MTP Trunk cable

MPO&MTP Products

24-144F MTP-MTP Trunk Cable

FIBER DATA CENTERS

Description

24F-144F MPO/MTP TRUNK CABLE is terminated with MPO/MTP connector on both ends. MPO/MTP Patch cable/ trunk cables connect MPO/MTP modules together as a permanent link. The Patch cable/trunk cables are available with 12, 24, 48,60,72 ,96,144fibers. Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect cassettes, panels or ruggedized MPO/MTP fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments. Besides, MPO/MTP also provides much flexibility and convenience once you have to change the connector style in the patch panels. Instead of changing the connector on the cable trunk, just installing a new cassette with the new connector style on the cross-connect side of the patch panel.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite loss: ≤0.35dB(max), ≤0.20dB(Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite Low loss: ≤0.35dB(max) , ≤0.20dB(Typical)
Return loss(MTP)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

48F MTP-MTP trunk cable

144F MTP-MTP trunk cable

72F MTP-MTP trunk cable With Woven mesh cover

03 | MPO-LC FANOUT CABLES

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

8F MPO(Male) -LC Fan-out 0.9mm Patch cord

FIBER DATA CENTERS

Description

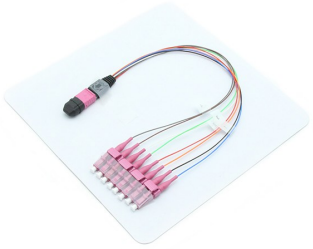
8cores MPO Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MPO-LC LGX module cassettes** are terminated with **MPO and LC** connector on each end. It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.
SM 8F MPO- LC/SC/FC/ST Fanout 0.9mm Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.
OM3/OM4 8F MPO- LC/SC/FC/ST Fanout 0.9mm Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.
This 8 Fiber harness cable is used for a direct connection between QSFP+ to (4) SFP+ ports with no patch panels or intermediate trunks in between.

Optical Specifications

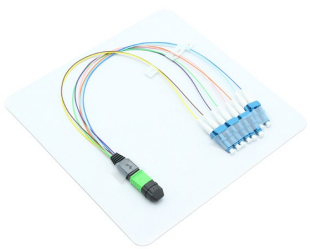
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

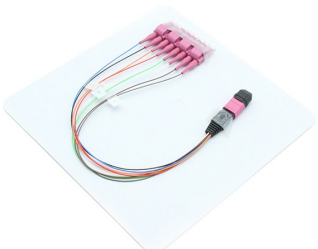
Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



8F OM4 MPO(Male) -LC Fan-out 0.9mm Patch cord



8F SM MPO(Male) -LC Fan-out 0.9mm Patch cord



8F OM4 MPO(Male) -LC Fan-out 0.9mm Patch cord

MPO&MTP Products

12F MPO(Male) -LC Fan-out 0.9mm Patch cord

FIBER DATA CENTERS

Description

12cores MPO Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MPO-LC LGX module cassettes** are terminated with **MPO and LC** connector on each end.

12F MPO- LC/SC/FC/ST **Fanout 0.9mm** Cables are designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 12 Fiber harness cable is used for connecting (6) SFP+ into a MPO adapter panel and MPO trunk.

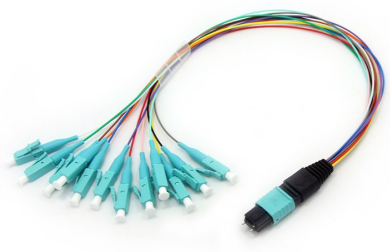
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

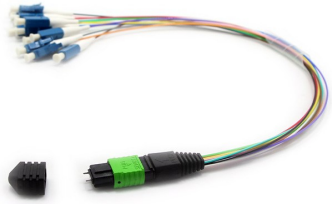
Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F OM4 MPO(Male) -LC Fan-out 0.9mm 30cm Patch cord



12F OM3 MPO(Male) -LC Fan-out 0.9mm 30cm Patch cord



12F SM MPO(Male) -LC Fan-out 0.9mm 30cm Patch cord

MPO&MTP Products

24F MPO(Male) -LC Fan-out 0.9mm patch cord

FIBER DATA CENTERS

Description

24cores MPO Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MPO-LC LGX module cassettes** are terminated with **MPO and LC** connector on each end.

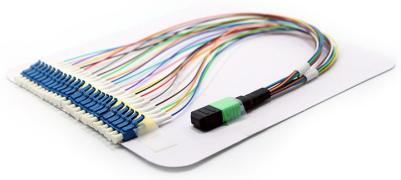
24F MPO- LC/SC/FC/ST Fanout 0.9mm cable is designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MPO adapter panel and MPO trunk.

Optical Specifications

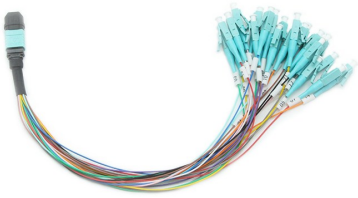
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

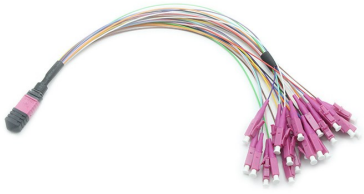
Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



24F SM MPO(Male) -LC Fan-out 0.9mm 30cm patch cord



24F OM3 MPO(Male) -LC Fan-out 0.9mm 30cm patch cord



OM4 24F MPO(Male) -LC Fan-out 0.9mm 30cm patch cord

MPO&MTP Products

8F MPO-LC Staggered harness Cable

Description

8 cores MPO to 4 LC Duplex(4xLC uniboot;8 LC Simplex) Staggered harness Cables assemblies.

MPO- LC/SC/FC/ST Staggered harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 8pcs(4pcs for LC uniboot;8 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have Staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

SM 8F MPO- LC/SC/FC/ST Staggered harness Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.

OM3/OM4 8F MPO- LC/SC/FC/ST Staggered harness Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.

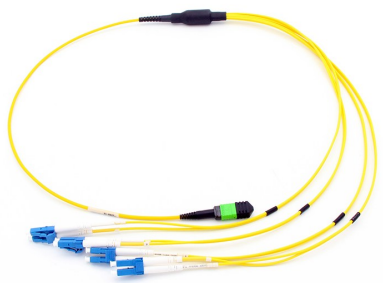
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

8F OM3 MPO-LC DXStaggered harness Cable



8F SM MPO-LC DX Staggered harness Cable

OM4 8F MPO-LC Uniboot Staggered harness Cable

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MPO&MTP Products

8F MPO-LC Straight harness Cable

Description

8 cores MPO to 4 LC Duplex(4xLC uniboot;8 LC Simplex) Straight harness Cables assemblies.

MPO- LC/SC/FC/ST Straight harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 8pcs(4pcs for LC uniboot;8 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

SM 8F MPO- LC/SC/FC/ST Straight harness Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.

OM3/OM4 8F MPO- LC/SC/FC/ST Straight harness Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

8F OM3 MPO-LC DX Straight harness Cable

8F OM4 MPO-LC uniboot Straight harness Cable

8F SM MPO-LC uniboot Straight harness Cable

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MPO&MTP Products

12F MPO-LC Staggered harness Cable

FIBER DATA CENTERS

Description

12 cores MPO to 6 LC Duplex(6xLC uniboot;12 LC Simplex) Staggered harness Cables assemblies.

MPO- LC/SC/FC/ST Staggered harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 12pcs(6pcs for LC uniboot;12 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

12F MPO- LC/SC/FC/ST Staggered harness Cables designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F OM3 MPO-LC DX Staggered harness Cable

12F OM4 MPO-LC DX Staggered harness Cable

12F OM5 MPO-LC DX Staggered harness Cable

MPO&MTP Products

12F MPO-LC Straight harness Cable

FIBER DATA CENTERS

Description

12 cores MPO to 6 LC Duplex(6xLC uniboot;12 LC Simplex) Straight harness Cables assemblies.

MPO- LC/SC/FC/ST Straight harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 12pcs(6pcs for LC uniboot;12 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

12F MPO- LC/SC/FC/ST Straight harness Cables designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F SM MPO-LC uniboot Straight harness Cable

12F OM4 MPO-LC DX Straight harness fanout Cable

12F OM5 MPO-LC DX Straight harness Cable

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MPO&MTP Products

24F MPO-LC Staggered harness Cable

FIBER DATA CENTERS

Description

24 cores MPO Female to 12 LC Duplex(12xLC uniboot;24 LC Simplex) Staggered harness Cables assemblies.

24F MPO- LC/SC/FC/ST Staggered harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 24pcs(12pcs for LC uniboot;24 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. Have staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.
24F MPO- LC/SC/FC/ST Staggered harness Cables designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MPO adapter panel and MPO trunk.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

24F Sm MPO-LC DX Staggered harness Cable

24F OM4 MPO-LC DX Staggered harness Cable

24F Sm MPO-LC SX Staggered harness Cable

MPO&MTP Products

24F MPO-LC Straight harness Cable

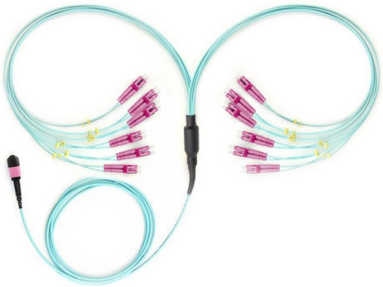
Description

24 cores MPO Female to 12 LC Duplex(12xLC uniboot;24 LC Simplex) Straight harness Cables assemblies.

24F MPO- LC/SC/FC/ST Straight harness Cables are terminated with MPO and LC/SC/FC/ST connector on both ends. The 24pcs(12pcs for LC uniboot;24 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.
24F MPO- LC/SC/FC/ST Straight harness Cables designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MPO adapter panel and MPO trunk.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50 (Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB (Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	



24F OM4 MPO-LC Straight harness Cable

24F MPO-LC uniboot Straight harness Cable

24F Micro-fiber Cable

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04 | MTP-LC FANOUT CABLES

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

8F MTP(male)-LC fanout 0.9 0.30m cable

FIBER DATA CENTERS

Description

8cores MTP Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MTP-LC LGX module cassettes** are terminated with **MTP and LC** connector on each end. It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

SM 8F MTP- LC/SC/FC/ST Standard harness Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.

OM3/OM4 8F MTP- LC/SC/FC/ST Standard harness Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.

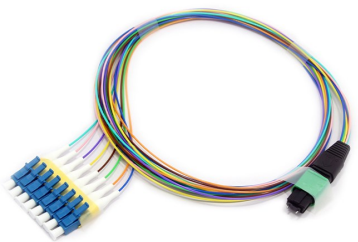
This 8 Fiber harness cable is used for a direct connection between QSFP+ to (4) SFP+ ports with no patch panels or intermediate trunks in between.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

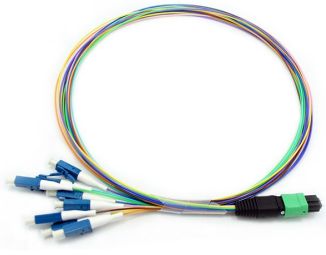
Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



8F MTP(male)-LC fanout 0.9 0.30m cable

8F OM3 MTP(male)-LC fanout 0.9 0.30m cable



8F SM MTP(male)-LC fanout 0.9 0.30m cable

MPO&MTP Products

12F MTP (male) -LC fanout 0.9 0.30m cable

FIBER DATA CENTERS

Description

12cores MTP Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MTP-LC LGX module cassettes** are terminated with **MTP and LC** connector on each end.

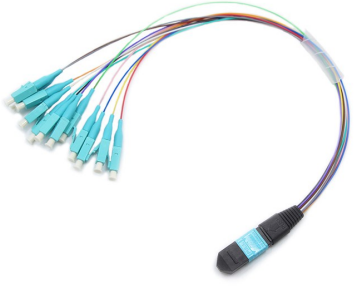
12F MTP- LC/SC/FC/ST Standard harness Cables designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 12 Fiber harness cable is used for connecting (6) SFP+ into a MTP adapter panel and MTP trunk.

Optical Specifications

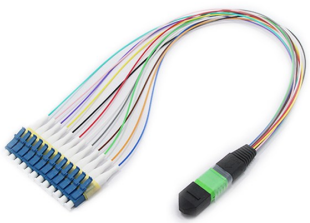
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



12F OM3 MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord



SM 12F MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord

12F OM5 MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord

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MPO&MTP Products

24F MTP(male)-LC fanout 0.9 0.30m cable

FIBER DATA CENTERS

Description

24cores MTP Male - LC Fan-out 0.9mm 30cm patch cable are designed for **MTP-LC LGX module cassettes** are terminated with **MTP and LC** connector on each end.

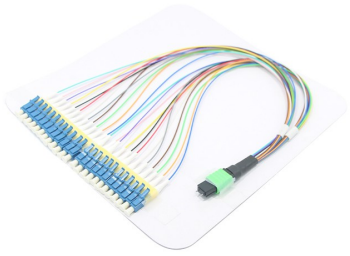
24F MTP- LC/SC/FC/ST Standard harness Cables designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MTP adapter panel and MTP trunk.

Optical Specifications

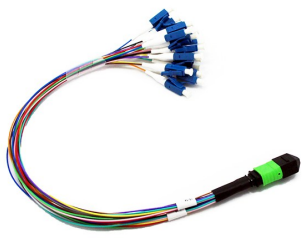
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

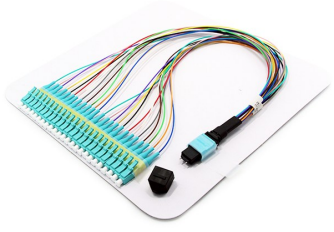
Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



24F SM MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord



24F SM MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord



24F OM4 MTP(Male) -LC Fan-out 0.9mm 30cm Patch cord

MPO&MTP Products

8F MTP-LC Staggered harness Cable

FIBER DATA CENTERS

Description

8 cores MTP to 4 LC Duplex(4xLC uniboot;8 LC Simplex) Staggered harness Cables assemblies.

MTP- LC/SC/FC/ST Staggered harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 8pcs(4pcs for LC uniboot;8 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have Staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

SM 8F MTP- LC/SC/FC/ST Staggered harness Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.

OM3/OM4 8F MTP- LC/SC/FC/ST Staggered harness Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.

This 8 Fiber harness cable is used for a direct connection between QSFP+ to (4) SFP+ ports with no patch panels or intermediate trunks in between.

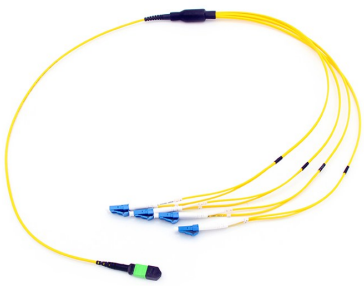
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

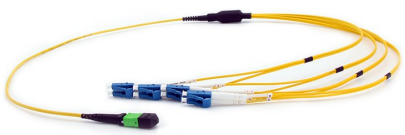
Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

8F OM4 MTP-LC DX Staggered harness Cable



8F SM MTP-LC DX Staggered harness Cable



SM 8F MTP-LC DX Staggered harness Cable

sales@fiberdatacenters.com

MPO&MTP Products

8F MTP-LC Straight harness Cable

Description

8 cores MTP to 4 LC Duplex(4xLC uniboot;8 LC Simplex) Straight harness Cables assemblies.

MTP- LC/SC/FC/ST Straight harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 8pcs(4pcs for LC uniboot;8 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

SM 8F MTP- LC/SC/FC/ST Straight harness Cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications.

OM3/OM4 8F MTP- LC/SC/FC/ST Straight harness Cables are optimized for 40G QSFP+ SR4 to 10G SFP+ SR, 100G QSFP SR4 to 25G SFP-25G-SR-S optics direct connection and high-density data center applications.

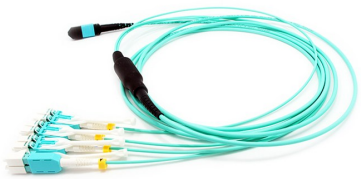
This 8 Fiber harness cable is used for a direct connection between QSFP+ to (4) SFP+ ports with no patch panels or intermediate trunks in between.

Optical Specifications

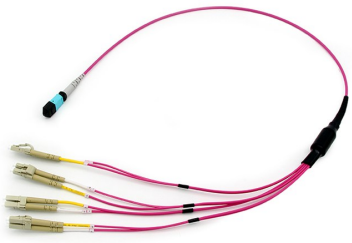
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

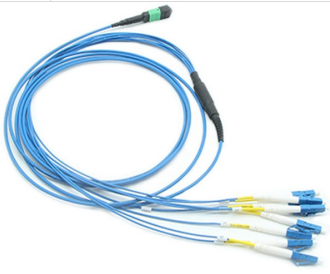
Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



8F OM3 MTP-LC uniboot Straight harness Cable



8F OM4 MTP-LC DX Straight harness Cable



SM 8F MTP-LC SX Straight harness Cable

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MPO&MTP Products

12F MTP-LC Staggered harness Cable

Description

12 cores MTP to 6 LC Duplex(6xLC uniboot;12 LC Simplex) Staggered harness Cables assemblies.

MTP- LC/SC/FC/ST Staggered harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 12pcs(6pcs for LC uniboot;12 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

12F MTP- LC/SC/FC/ST Staggered harness Cables designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high -density data center. It is optimized for 10/40/100G high-density data center applications.

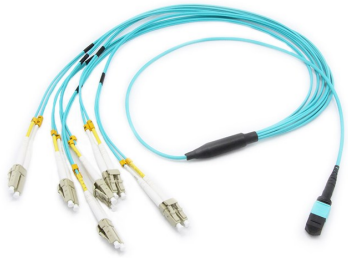
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F MTP-LC SX Staggered harness Cable



12F OM3 MTP-LC DX Staggered harness Cable

12F OM4 MTP-LC UNIBOOT Staggered harness Cable

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MPO&MTP Products

12F MTP-LC Straight harness Cable

Description

12 cores MTP to 6 LC Duplex(6xLC uniboot;12 LC Simplex) Straight harness Cables assemblies.

MTP- LC/SC/FC/ST Straight harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 12pcs(6pcs for LC uniboot;12 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.

12F MTP - LC/SC/FC/ST Straight harness Cables designed for 40G LR4 PSM, 40GBASE-SR4, 40G QSFP+ PLR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications.

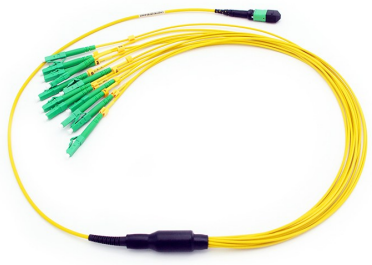
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

12F OM3 MTP-LC Straight harness Cable



12F SM MTP-LC APC Straight harness Cable

12F SM MTP-LC Straight harness Cable

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MPO&MTP Products

24F MTP-LC Staggered harness Cable

FIBER DATA CENTERS

Description

24 cores MTP Female to 12 LC Duplex(12xLC uniboot;24 LC Simplex) Staggered harness Cables assemblies.

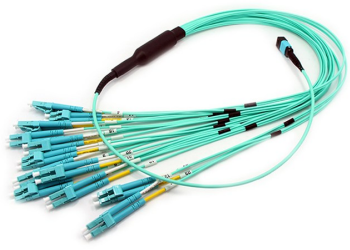
24F MTP- LC/SC/FC/ST Staggered harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 24pcs(12pcs for LC uniboot;24 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. Have staggered length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.
24F MTP- LC/SC/FC/ST Staggered harness Cables designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MTP adapter panel and MPO trunk.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

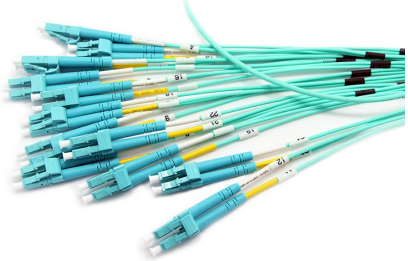
Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



24F OM3 MTP-LC Staggered harness Cable

24F OM4 MTP-LC Staggered harness Cable



24F MTP-LC Staggered harness Cable

MPO&MTP Products

MTP-LC 24F Straight harness Cable

Description

24 cores MTP Female to 12 LC Duplex(12xLC uniboot;24 LC Simplex) Straight harness Cables assemblies.

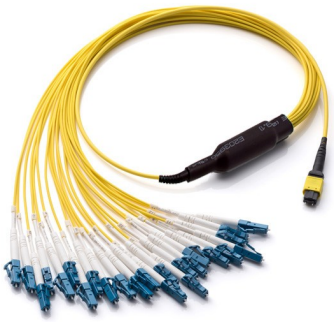
24F MTP- LC/SC/FC/ST Straight harness Cables are terminated with MTP and LC/SC/FC/ST connector on both ends. The 24pcs(12pcs for LC uniboot;24 LC Simplex) fanout cables are optimized for 40G QSFP+ PLR4 to 10G SFP+ LR optics direct connection and high-density data center applications. have same length . It's specifically designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.
24F MTP- LC/SC/FC/ST Straight harness Cables designed for 100GBASE-SR10 CXP/CFP Interconnect Solution,100GBASE-LR4 and high-density data center. It is optimized for 10/40/100G high-density data center applications. This 24 Fiber harness cable is used for connecting (12) SFP+ into a MTP adapter panel and MTP trunk.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MTP) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Elite MTP loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Elite MTP: ≤0.35dB(max) , ≤0.20dB(Typical)
Insertion loss (LC/SC/FC/ST) (IEC 61300-3-6)	≤0.3dB	≤0.3dB
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Return loss(LC/SC/FC/ST)	APC≥60dB; UPC≥50dB	≥35dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



MTP-LC 24F Straight harness Cable

MTP-LC 24F Straight harness Cable

om4 24F MTP-LC Standard harness Cables assemblies

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05 | MPO LOOPBACK

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

8F MPO Loopback

FIBER DATA CENTERS

Description

MPO Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MPO transceivers interfaces. MPO loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MPO trunks/patch leads.
MPO loopback assemblies' standard products include a female MPO 12-fiber interface with 8-fiber Quad Small Form-actor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
8F MPO Fiber Loopback Module allows verification and testing of transceivers featuring MPO interface – 40GBASE-SR4/CSR4 QSFP+ devices.

Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm

12F OM4 MPO Loopback

12F OM4 MPO Loopback

12F OM4 MPO Loopback

MPO&MTP Products

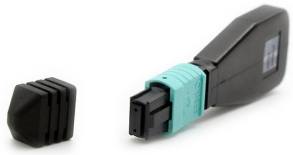
12F MPO Loopback

Description

MPO Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MPO transceivers interfaces. MPO loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MPO trunks/patch leads.
MPO loopback assemblies' standard products include a female MPO 12-fiber interface with 8-fiber Quad SmallFormactor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
12F MPO Fiber Loopback Module allows verification and testing of transceivers featuring MPO interface – 40GBASE-SR4 QSFP+ or 100GBASE-SR4 devices.

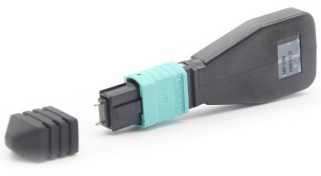
Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm



OM3 12F MPO Loopback Type A

OM4 12F MPO Loopback Type A



OM4 12F MPO Male Loopback Type B

MPO&MTP Products

24F MPO Loopback

Description

MPO Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MPO transceivers interfaces. MPO loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MPO trunks/patch leads.
MPO loopback assemblies' standard products include a female MPO 12-fiber interface with 8-fiber Quad SmallFormactor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
24F MPO Fiber Loopback Module allows verification and testing of transceivers featuring MPO interface – 100GBASE-SR10 CXP/CFP devices.

Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm

24F MPO Fmale Loopback

24F MPO Fmale Loopback (TYpe B)

24F MPO Fmale Loopback (TYpe B)

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06 | MTP LOOPBACK

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

8F MTP loopback modular

FIBER DATA CENTERS

Description

MTP Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MTP transceivers interfaces. MTP loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MTP trunks/patch leads.
MTP loopback assemblies' standard products include a female MTP 12-fiber interface with 8-fiber Quad Small Form-actor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
8F MTP Fiber Loopback Module allows verification and testing of transceivers featuring MTP interface – 40GBASE-SR4/CSR4 QSFP+ devices.

Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm

8F MTP loopback modular SM

8F MTP loopback modular

8F OM4 MTP loopback modular

MPO&MTP Products

12F MTP loopback modular

Description

MTP Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MTP transceivers interfaces. MTP loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MTP trunks/patch leads.
MTP loopback assemblies' standard products include a female MTP 12-fiber interface with 8-fiber Quad Small Form-actor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
12F MTP Fiber Loopback Module allows verification and testing of transceivers featuring MTP interface – 40GBASE-SR4 QSFP+ or 100GBASE-SR4 devices.

Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm

8F MTP loopback modular SM

8F MTP loopback modular

8F OM4 MTP loopback modular

MPO&MTP Products

24F MTP loopback modular

FIBER DATA CENTERS

Description

MTP Loopback modules provides a looped signal to test the transmit and receiving functions. It used widely within testing environment especially within parallel optics 40 and 100G networks.
Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MTP transceivers interfaces. MTP loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MTP trunks/patch leads.
MTP loopback assemblies' standard products include a female MTP 12-fiber interface with 8-fiber Quad Small Form-actor Pluggable (QSFP) option or 24-fiber, singlemode or multimode ferrules. Our compact and rugged housing design provides high stability and reliability.
24F MTP Fiber Loopback Module allows verification and testing of transceivers featuring MTP interface – 100GBASE-SR10 CXP/CFP devices.

Optical Specifications

Item	Parameter
Fiber Type	Singlemode or Multimode
Fiber Diameter	9/125um, 50/125um, 62.5/125um
Insertion loss	MM < 1.2dB, SM(G652D) < 1.5dB,SM(G657A1) < 0.75dB
Return loss	SM > 55dB; MM > 25dB
Insert-pull Test	500times, IL < 0.5dB
Operation Temperature	-40℃~ +80℃
Tensile Resistance	15kgf
Size	60mm*20mm

24F MTP Loopback

24F OM3 MTP Loopback module

24F OM4 MTP Loopback

07 | UHD MPO&MTP PATCH PANEL

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

1U UHD 19’ 144F MPO&MTP-LC Sliding Drawer Patch Panel -12x12F cassettes

FIBER DATA CENTERS

Description

UHD 1U 19‘ 144F MPO&MTP-LC Sliding Drawer Patch Panel is made of aluminum alloy, Designed for 19" rack-mount cabinet. The 1U enclosure houses 3 independently sliding drawers, Each drawer is able to hold 4pcs of 12-port MPO-LC cassettes by default. It provide a system for managing fiber terminations, connections, and patching in all types of applications. They are ideal for fast, flexible and reliable patch field solutions within main, horizontal and equipment distribution areas (MDA, HDA and EDA).

Optical Specifications

Product name	1U UHD MPO&MTP-LC Sliding Drawer Rack mount patch panel	**Part No**	UHD1S1
Enclosure Type	Rack Mountable	**Fiber Count**	Max.144 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx455mmx44mm

Matching Cassettes Module and accessories

BLACK Color
MPO/MTP-LC Cassette

Black Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

TRANSPARENT
MPO/MTP-LC Cassette

Transparent Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

1U 19‘ 144F MPO-LC Patch Panel

1U 19‘ 144F MPO-LC Patch Panel

1U 19‘ 144F SM MPO-LC Patch Panel

MPO&MTP Products

2U UHD 19’ 288F MPO&MTP-LC Sliding drawer Patch Panel-24x12F cassettes

FIBER DATA CENTERS

Description

UHD 2U 19‘ 144F MPO-LC Sliding Drawer Patch Panel is made of aluminum alloy, Designed for 19" rack-mount cabinet. The 2U enclosure houses 6 independently sliding drawers, Each drawer is able to hold 4pcs of 12-port MPO-LC cassettes by default. It provide a system for managing fiber terminations, connections, and patching in all types of applications. They are ideal for fast, flexible and reliable patch field solutions within main, horizontal and equipment distribution areas (MDA, HDA and EDA).

Optical Specifications

Product name	2U UHD MPO&MTP-LC Sliding drawer Rack mount patch panel	**Part No**	UHD1S2
Enclosure Type	Rack Mountable	**Fiber Count**	Max.288Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx455mmx89mm

Matching Cassettes Module and accessories

BLACK Color
MPO/MTP-LC Cassette

Black Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

TRANSPARENT
MPO/MTP-LC Cassette

Transparent Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

2U 288F Slide drawer 19‘ ’Rack mount Patch panel

2U 288F OM4 Slide drawer 19‘ ’Rack mount Patch panel

2U 288F Slide drawer 19‘ ’Rack mount Patch panel

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MPO&MTP Products

4U UHD 19' 576F MPO&MTP-LC Sliding drawer Patch Panel-48x12F cassettes

FIBER DATA CENTERS

Description

UHD 4U 19‘ 576F MPO-LC Sliding drawer Patch Panel is made of aluminum alloy, Designed for 19" rack-mount cabinet. The 4U enclosure houses 12 independently sliding drawers, Each drawer is able to hold 4pcs of 12-port MPO-LC cassettes by default. It provide a system for managing fiber terminations, connections, and patching in all types of applications. They are ideal for fast, flexible and reliable patch field solutions within main, horizontal and equipment distribution areas (MDA, HDA and EDA).

Optical Specifications

Product name	4U UHD MPO&MTP-LC Sliding drawer Rack mount patch panel	**Part No**	UHD1S3
Enclosure Type	Rack Mountable	**Fiber Count**	Max. 576Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx455mmx177mm

Matching Cassettes Module and accessories

BLACK Color
MPO/MTP-LC Cassette

TRANSPARENT
MPO/MTP-LC Cassette

Black Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

Transparent Plastic cassette
Spec: 1xMPO male -LC DX 12F in SM,OM3,OM4
Size： 95mmx124.5mmx12mm

4U UHD 19' 576F MPO-LC Patch Panel -48x12F cassettes

4U UHD 19' 576F MPO-LC Patch Panel -48x12F cassettes

MPO&MTP Products

1U UHD 96F MPO&MTP-LC Fixed Patch panel -NO front cover-

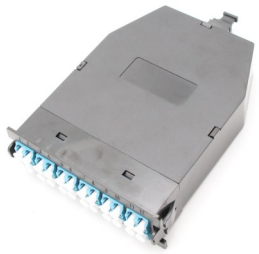
Description

1U UHD 96F MPO/MTP-LC Fixed Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	1U UHD MPO&MTP-LC Rack mount Fixed patch panel	**Part No**	UHD1F1
Enclosure Type	Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx256mmx44mm

Matching Cassettes Module and accessories



Spec: 1xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

1U UHD MTP-LC 96F Patch panel -NO front cover-4 cassettes

1U UHD MTP-LC 96F Patch panel -NO front cover-4 cassettes

24F MPO-LC Cassette

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MPO&MTP Products

1U UHD 96F MPO&MTP-LC Sliding Drawer Patch panel-4x24F cassettes

FIBER DATA CENTERS

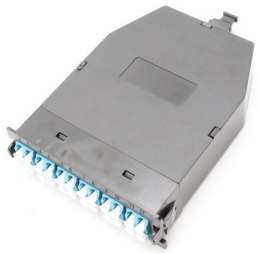
Description

1U UHD 96F MPO/MTP-LC Fixed Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	1U UHD MPO&MTP-LC Rack mount Fixed patch panel	**Part No**	UHD1F2
Enclosure Type	Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx423mmx44mm

Matching Cassettes Module and accessories



Spec: 1xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

1U UHD MTP-LC 96F Patch panel - WITH front cover 4x24F cassette

1U UHD MTP-LC 96F Patch panel - WITH front cover 4x24F cassette

24F MPO-LC Cassette

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MPO&MTP Products

3U UHD MPO&MTP-LC 288F Fixed patch panel-12x24F cassettes

FIBER DATA CENTERS

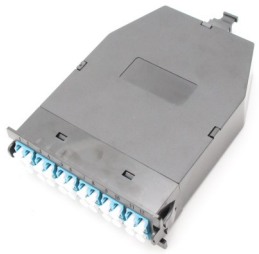
Description

3U UHD 288F MPO/MTP-LC Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 12 pcs Fiber Adapter Panels or 12pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	3U UHD MPO&MTP-LC Rack mount patch panel	**Part No**	UHD1F3
Enclosure Type	Rack Mountable	**Fiber Count**	Max.288 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx426mmx130mm

Matching Cassettes Module and accessories



Spec: 1xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

3U UHD MTP-LC 288F patch panel-12x24F cassettes

3U UHD OM4 MPO-LC 288F patch panel-12x24F cassettes

3U UHD OM4 MTP-LC 288F patch panel-12x24F cassettes

MPO&MTP Products

1U UHD 96F MPO&MTP-LC Sliding Drawer Patch panel-4x24F cassettes

FIBER DATA CENTERS

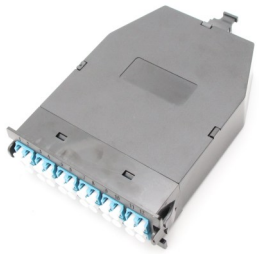
Description

1U UHD 96F MPO/MTP-LC Sliding Drawer Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	1U UHD MPO&MTP-LC Rack mount Sliding Drawer patch panel	**Part No**	UHD2S1
Enclosure Type	Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx350mmx44mm

Matching Cassettes Module and accessories



Spec: 1xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

1U UHD MTP-LC 96F Sliding Drawer Patch panel—4x24F cassette

1U UHD MTP-LC 96F Sliding Drawer Patch panel—4x24F cassette

24F MPO-LC Cassette

MPO&MTP Products

1U UHD 96F MPO&MTP-LC Fixed Patch panel-4x24F cassettes

FIBER DATA CENTERS

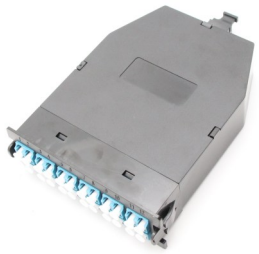
Description

1U UHD 96F MPO/MTP-LC Fixed Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	1U UHD MPO&MTP-LC Rack mount Fixed patch panel	**Part No**	UHD2F1
Enclosure Type	Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx344.6mmx44mm

Matching Cassettes Module and accessories



Spec: 1xMPO-LC DX 24F
Size: 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size: 101mmx152.2mmx33 mm

1U UHD MTP-LC 96F Patch panel - 4x24F cassette

1U UHD MTP-LC 96F Patch panel - 4x24F cassette

24F MPO-LC Cassette

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MPO&MTP Products

3U UHD MPO-LC 288F Fixed patch panel -12x24F cassettes

FIBER DATA CENTERS

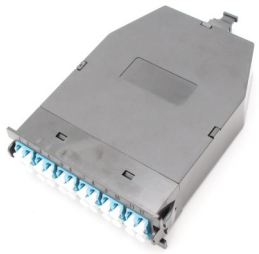
Description

3U UHD 288F MPO/MTP-LC Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 12 pcs Fiber Adapter Panels or 12pcs of HD MTP/MPO-LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	3U UHD MPO&MTP-LC Rack mount Fixed patch panel	**Part No**	UHD2F3
Enclosure Type	Rack Mountable	**Fiber Count**	Max.288 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Compliant	TIA/EIA-568-C.3	**Dimensions (HxWxD)**	482.6mmx340mmx132mm

Matching Cassettes Module and accessories

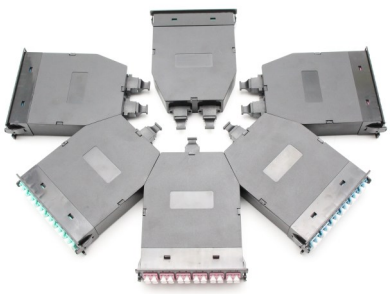


Spec: 1xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

Spec: 2xMPO-LC DX 24F
Size： 101mmx152.2mmx33 mm

3U UHD MTP-LC 288F patch panel-12x24F cassettes

3U UHD OM4 MPO-LC 288F patch panel-12x24F cassettes



24F MPO-LC Cassette

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08 | FHD MPO&MTP PATCH PANEL

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

FIBER DATA CENTERS

MPO&MTP Products

FHD 1U 96F (2U 192F) MPO&MTP-LC Patch panel

Description

FHD 1U 96F MPO&MTP-LC Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC/SC Cassette. It provides 96F max high density flexible system for managing fiber terminations, connections, and patching in data center application to maximizing rack space utilization and minimizing floor space.

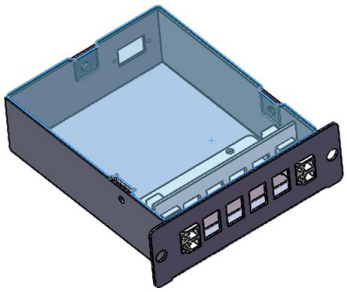
Optical Specifications

Product name	FHD 1U 96F(2U 192F) MPO&MTP-LC Standard Fixed rack mount Patch panel-4 Cassette modules design	**Part No.**	1U:FHD2F1-4 2U:FHD2F2-8
Enclosure Type	19' Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Panel Dimensions (HxWxD)	1U*481mm*251.5mm 2U*481mm*251.5mm	**Cassette Dimensions (HxWxD)**	109*118*34.9mm

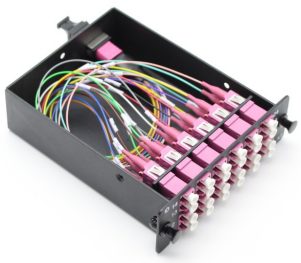
Matching Cassette

FHD 1U 96F MPO&MTP-LC Patch panel

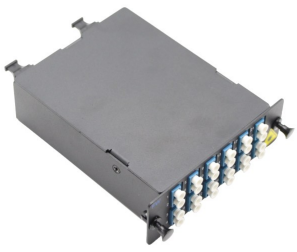
FHD 2U 192F MPO&MTP-LC Patch panel



1xMPO-6xLC DX Cassette 12F



1xMPO-12xLC DX Cassette 24F



2xMPO-12xLC DX Cassette-24F

3xMPO-12xLC DX Cassette-24F

Blank Plate

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MPO&MTP Products

FHD 1U 96F MPO&MTP-LC Patch Module Frame

Description

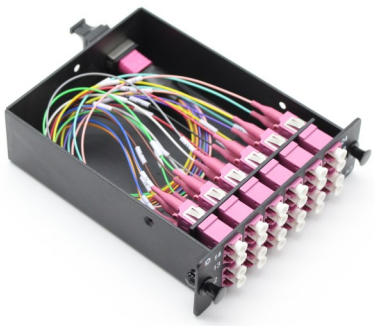
FHD 1U 96F MPO&MTP-LC Patch Module Frame is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 4 pcs Fiber Adapter Panels or 4pcs of HD MTP/MPO-LC/SC Cassette. It provides 96F max high density flexible system for managing fiber terminations, connections, and patching in data center application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

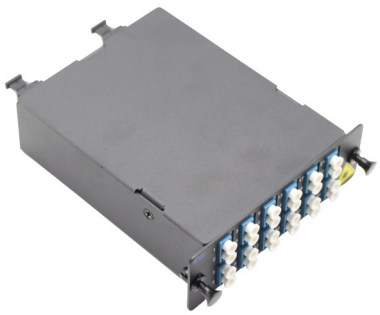
Product name	FHD 1U 96F MPO&MTP-LC Patch Module Frame Fixed rack mount Patch panel-4 Cassette modules design	**Part No.**	1U:FHD2F1-4 2U:FHD2F2-8
Enclosure Type	19' Rack Mountable	**Fiber Count**	Max.96 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Panel Dimensions (HxWxD)	1U*482.6mm*194.8mm	**Cassette Dimensions (HxWxD)**	109*118*34.9mm

Matching Cassette

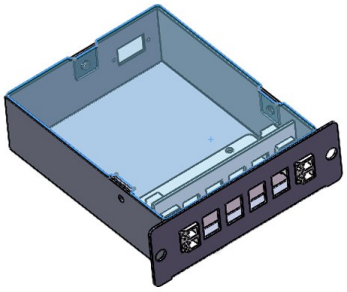
FHD 1U 96F MPO&MTP-LC Patch Module Frame-4 Slots



1xMPO-12xLC DX Cassette 24F



2xMPO-12xLC DX Cassette 24F



1xMPO-6xLC DX Cassette 12F

3xMPO-12xLC DX Cassette 24F

Blank Plate

sales@fiberdatacenters.com

MPO&MTP Products

FHD 1U 72F MPO&MTP-LC Slide Rail Rack mount patch panel

Description

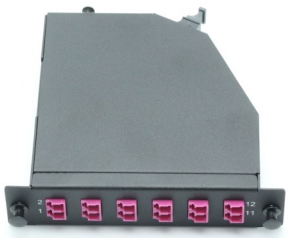
FHD 1U 72F MPO/MTP Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 3 pcs Fiber Adapter Panels or 3pcs of HD MTP/MPO-LC/SC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

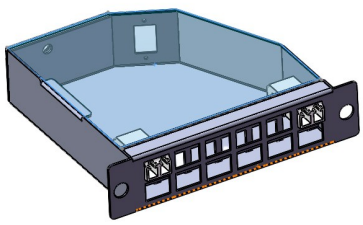
Product Name	FHD 1U MPO&MTP-LC 72F Slide Rail Rack mount patch panel-Modular	**Part No.**	FHD1S1 –3
Enclosure Type	19' Rack Mountable	**Fiber Count**	Max.72 Fibers
Installation	Standard EIA 19" Rack	**Material**	CRS Cold rolled steel
Panel Dimensions (HxWxD)	1U*483mm*215.5mm	**LGX Cassette Dimensions (HxWxD)**	130*123*29.3mm

Panels&LGX Cassette

FHD 1U 72F MPO&MTP-LC Slide Rail Rack mount patch panel

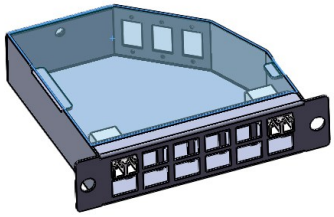


1xMPO-6x LC DX Cassette 12F



1xMPO-12x LC DX Cassette 24F

2xMPO-12x LC DX Cassette 24F



3xMPO-12x LC DX Cassette 24F

Blank Plate

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MPO&MTP Products

FHD 1U 96F MTPMPO-LC Solid desgin rack mount Patch Panel

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Description

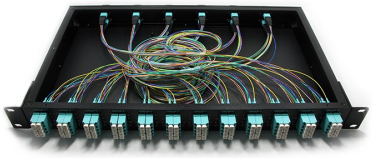
MPO/MTP Patch panel is made of CRS Cold rolled steel, Designed for 19" rack-mount cabinet. Rack mounted. holds up to 3 pcs Fiber Adapter Panels or 3pcs of HD MTP/MPO-LC/SC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

Optical Specifications

Product name	FHD 96F MTP/MPO-LC 96F Solid Patch Panel	**Total Fiber Count**	96Fibers
Front Interfaces	24xLC quad	**Rear Interfaces**	12x MTP/MPO-8 Male (pinned) Key up-Key down
Insertion Loss	MPO/MTP≤0.35dB, LC≤0.3dB	**Return Loss**	MPO/MTP≥60dB（SM）20dB（MM） LC≥50dB（SM）35dB（MM）
MTP adapter	Key up to key down	**Dimensions**	44.2mmx 482.5mmx 250.4mm
Material	Aluminum alloy	**Operation&Storage Temperature**	-40~+70℃

FHD 1U MTPMPO-LC 96F Patch Panel-No Cassette module

FHD 1U MTPMPO-LC 96F Patch Panel-No Cassette module



FHD 1U OM3 MTPMPO-LC 96F Patch Panel-No Cassette module

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09 | 12F&24F ARMORED MTP&MPO TRUNK CABLE

Professional MPO/MTP Trunk Cable Manufacturer Dedicated to AI & Computing Data Center Interconnection.

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MPO&MTP Products

Armored 12F MPO MTP trunk cable

FIBER DATA CENTERS

Description

MPO/MTP Armored Trunk Cable is specifically designed for Harsh environment applications. Its rugged shell with steel and Kevlar is 10 times stronger than regular Fiber Optic Cable and has a 40% higher rated range of operating temperature. The apply place are in the floor corner. Those products could protect the fiber bite by mouse and ant. Although armored fiber optic cables are strong, they are actually as flexible as standard fiber optic patch cords; they can be bending randomly without being broken. The rugged armored cables allow optical fiber to be installed in the most hazardous areas, including environments with excessive dust, oil, gas, moisture, or even damage-causing rodents.

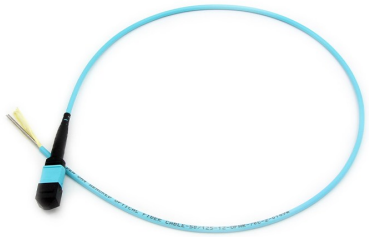
Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.50dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.50(Typical) Super Low loss: ≤0.35dB(max) , ≤0.20dB(Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

1F SM FTTH Drop patch cord SC UPC



12F OM3 Armored MTP&MPO trunk cable

12F OM3 Armored MTP&MPO trunk cable

MPO&MTP Products

24F Armored MPO MTP trunk cable

FIBER DATA CENTERS

Description

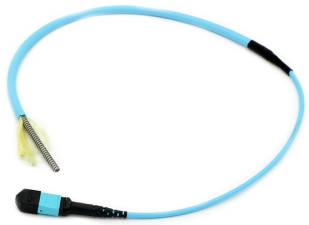
MPO/MTP Armored Trunk Cable is specifically designed for Harsh environment applications. Its rugged shell with steel and Kevlar is 10 times stronger than regular Fiber Optic Cable and has a 40% higher rated range of operating temperature. The apply place are in the floor corner. Those products could protect the fiber bite by mouse and ant. Although armored fiber optic cables are strong, they are actually as flexible as standard fiber optic patch cords; they can be bending randomly without being broken. The rugged armored cables allow optical fiber to be installed in the most hazardous areas, including environments with excessive dust, oil, gas, moisture, or even damage-causing rodents.

Optical Specifications

Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: ≤0.75dB(max), ≤0.35dB (Typical) Super Low loss: ≤0.35dB(max), ≤0.20dB (Typical)	Standard loss: ≤0.6dB(max), ≤0.35 (Typical) Super Low loss: ≤0.35dB(max) , ≤ 0.20dB(Typical)
Return loss(MPO)	≥60dB (8degree polishing)	≥25dB
Durability	<0.3dBtypical change, 200 matings	
Interchangeability	≤0.2dB	
Tensile strength	>70N	
Operating Temperature	-40 to + 85°C	

Ferrule End-Face 3D Interference Index

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm



Armored 24 cores OM3 MPO Patch cord

Armored 24 cores OM4 MPO Patch cord

Armored 24 cores OM4 mini fiber cable for MTP MPO

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