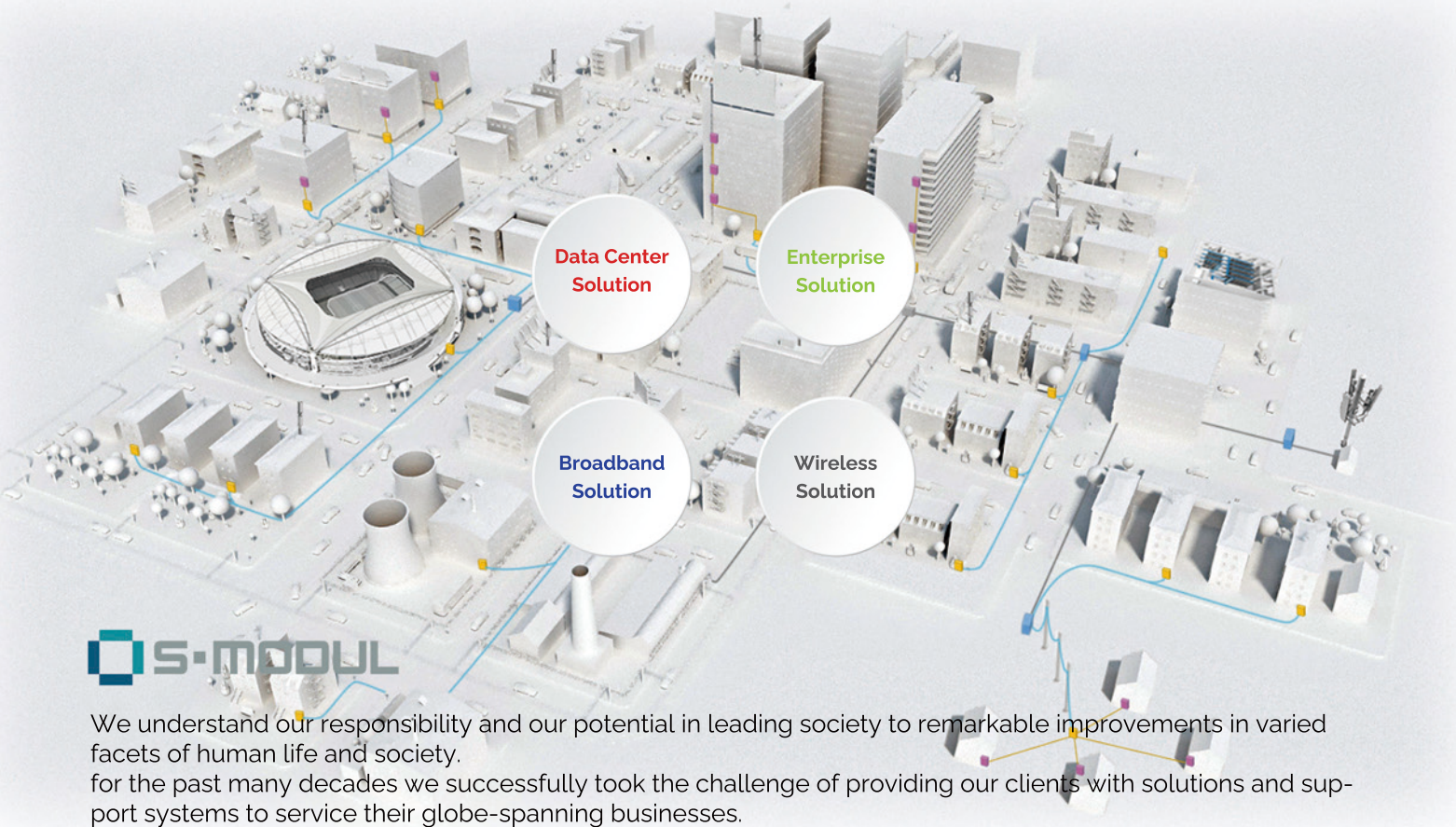






We understand our responsibility and our potential in leading society to remarkable improvements in varied facets of human life and society. for the past many decades we successfully took the challenge of providing our clients with solutions and support systems to service their globe-spanning businesses. We recognize the significance of our contributing customer-oriented services for the betterment of the society and its operations.

We believe that our responsibility should not end in mere execution of our customer's project, but should extend towards contributing our knowledge and expertise in returning value to their company and to the society within which they live. our vision is to provide world class services and products to our clients with a sense of responsibility and accountability towards them, their employees and ultimately the society.

CONTENTS

RECOMMENDED SYSTEMS

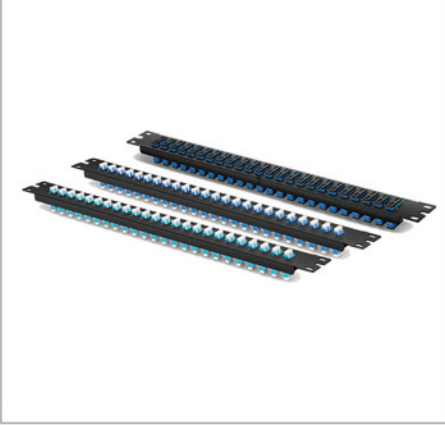
- 03 Recommended Systems
- 05 Data Center
Recommended Sytems
- 06 Enterprise
Recommended Sytems

FIBER PATCH PANELS

- A01 Fiber HD Patch Panel
- SMP™ Series
- A04 Fiber HD Patch Panel
- HMP™ Series
- A08 Fiber Splice Patch Panel
- FMX™ Series
- A11 Fiber Splice Patch Panel
- FDF Series

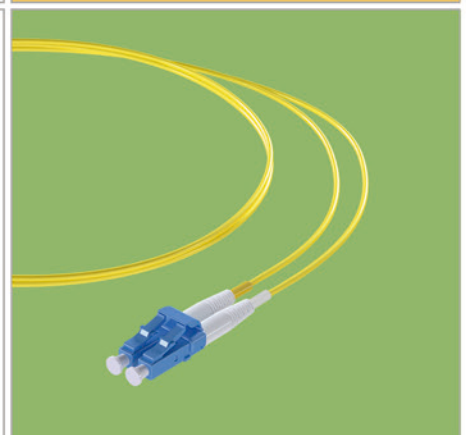
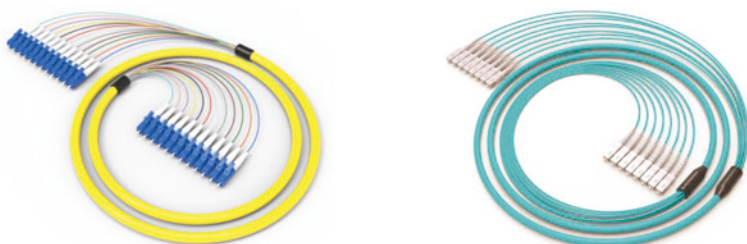
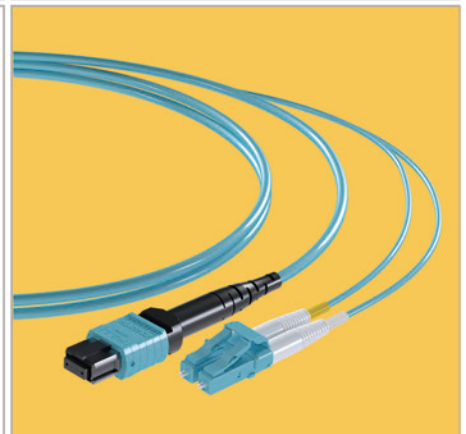
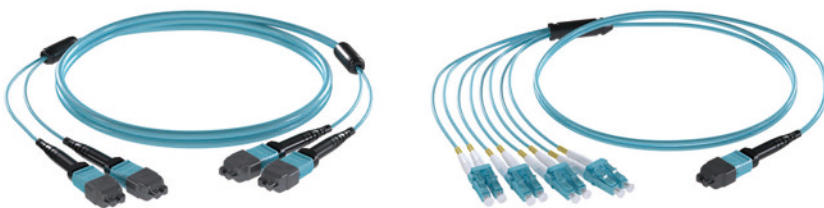
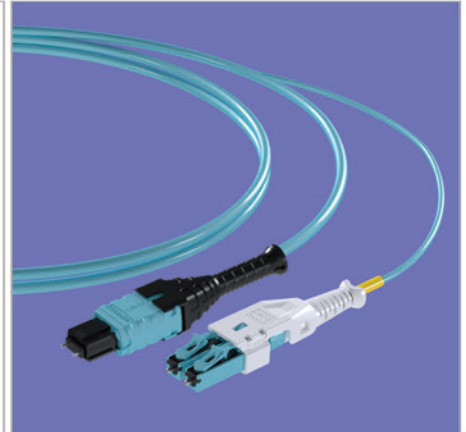
PRE-TERMINATED CABLE ASSEMBLIES

- B02 MTP®/MPO Assemblies
- B03 MTP®/MPO Patch Cords
- B05 MTP®/MPO Trunks
- B06 MTP®/MPO Harnesses
- B08 MTP®/MPO Array Cords
- B12 Fiber Patch Cords
- B13 LC/SC Patch Cords
- B15 Fiber Pigtails

APPLICATION	CASSETTES/PANELS	ENCLOSURES
SUPREME: High-Density Enterprise Data Center Applications, 144 fibers per RU SMP Series		
SUPREME: Hyper Scale Data Center 144 fibers per RU HMP Series		
ADVANCED: High-Density Enterprise Data Center Applications, 96 fibers per RU FMX Series		
CLASSIC: Small Enterprise Applications, 48 fibers per RU FDF Series		

PRE-TERMINATED CABLE ASSEMBLIES

PATCH CORDS

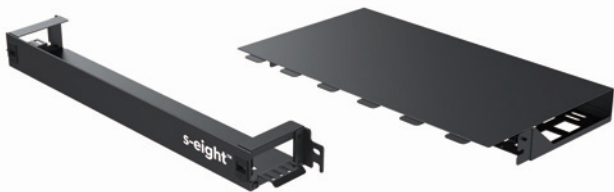


SMP™
Series

Ultra High Density Cassettes to help meet increasing network demands in data centers applications. The SMP series can be loaded up to 144 fibers per 1U with LC interface.



SMP™ HD Patch Panel
MPP-SMP-F-1U



SMP™ MTP®/MPO-8
Cassette

SMP™ MTP®/MPO-8
Shuttered Cassette

SMP™ MTP®/MPO-8
SENKO Cassette

HMP™
Series

Ultra High Density Plug-play cassettes & Adaptor panels allow a mix of fiber patching & splice for large Data center and enterprise applications. The HMP series can be loaded up to 144 fibers per 1U with LC interface.



HMP™ HD Patch Panel
MPP-HMP-S-1U



HMP™ MTP®/MPO-8
Cassette



HMP™ MTP®/MPO-16
Cassette



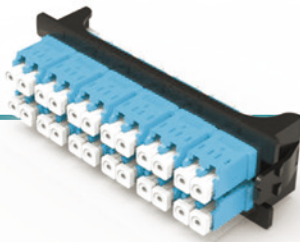
HMP™ MTP®/MPO
Patching Cassette



HMP™ LC Adaptor
Splice Cassette

FMX™
Series

High Density Plug-play Adaptor panels allow a mix of fiber patching & splice for large enterprise applications. The FMX series can be loaded up to 96 fibers per 1U with LC interface.



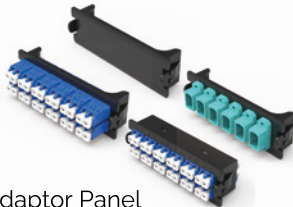
HD Patch Panel
SPP-FMX-F-H-1U



SPP-FMX-SF-H-1U



SPP-FMX-F-G-3U



FMX Adaptor Panel

FDF™
Series

Comprehensive range of fiber patching and splice for small data centers and enterprise applications. The FDF series can be loaded up to 48 fibers per 1U with LC interface.



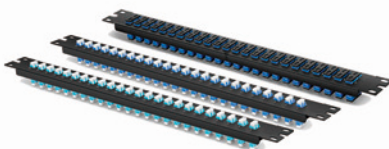
FDF Splice Patch Panel
SPP-FDF-IF-A-1U



SPP-FDF-OF-A-1U

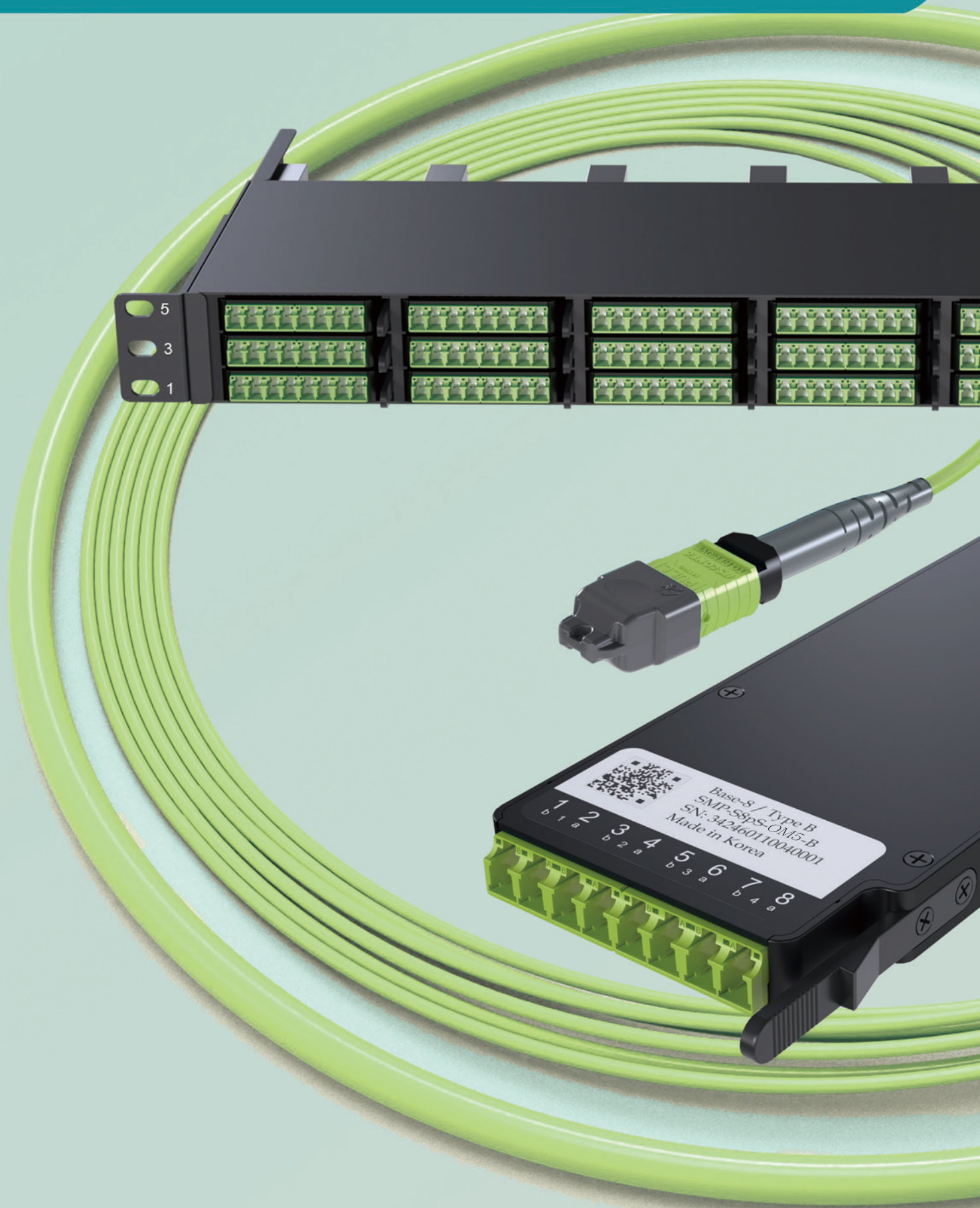


SPP-FDF-S-A-1U



FDF Adaptor Panel

Fiber HD Patch Panel-SMP™ Series



SMP™ HD Patch Panels

Ultra HD Patch Panel, standard 19", high-density pre-terminated technology, can load max. 144 fibers per 1U. Widely applied in data center, between patch panel and interchanger, provide with cabling or optical fiber management to the equipment.



SMP™ HD Patch Panel



SMP-MPP-S8F-1U



SMP™ Series
MTP®/MPO-8 Cassettes

Features

- Stability and durability for supporting telecommunication equipment
- EIA-310 D/IEC-60297/DIN 41494 19"
- Steel front & rear cover, base
- Plastic sliding rail, reduce the whole weight, precise dimension, compact fit
- The Push-Lock & Release design makes easy to install and uninstall
- Applied SMP™ Series cassette design, directly clip, precise match, conveniently installation
- ISO/IEC 11801, ANSI/TIA-568-C.3, TIA-604-5(FO-CIS-5), TIA-604-10 (FOCIS-10), RoHS Compliant

Properties

- Applied MTP®/MPO Base-8
- Connecting directly into
40GBASE-SR4, 100GBASE-SR4,
200GBASE-SR4, 400GBASE-DR4,
400GBASE-FR4
- MTP®/MPO Cassettes standard :
IL ≤ 0.30dB (MM Low-loss) / 0.30dB (SM Low-loss)
≤ 0.50dB (MM Std Loss) / 0.70dB (SM Std Loss)
RL ≥ 25dB (MM), ≥ 60dB (SM)
Polarity Method Type A, AF or B

Application

- Data centers of Enterprise, Service, Cloud
- Telecom communications
- Indoor installation

Parameter	Value
Rack height	1U
Mounting type	Standard 19"
Dimension(WxDxH)	484X221.2X44.4mm (Patch Panel)
Material	SPCC steel powder coated
Color	Black (RAL9005)
Capacity	Up to 18 x Cassette
Density	Up to 144 ports
Weight	1.93 kg

SMP™ HD Patch Panels



HD Patch Panel
SMP-MPP-S8F-1U



FCM/Front Cable Manger
SMP-CM-F19-1U



TSP/Trunk Storage Plate
SMP-SP-R160-1U



TSP without cover
SMP-SP-RP160-1U

Ordering Information

Model		Product Code		Fibre Channel		Tray Type		Height	
SMP	MPP	Multi-fibers Patch Panel		S8	8 Fibers/CH 4	F	Fixed	1U	1U

Ex) SMP-MPP-S8F-1U : HD Patch Panel, SMP™ Series 1U Rack Mount Unloaded, Fixed, Holds up to 18x Cassettes 144Fibers

SMP™ MTP®/MPO Cassettes



SMP-S8p-OM3-B



SMP-S8pS-OM3-B



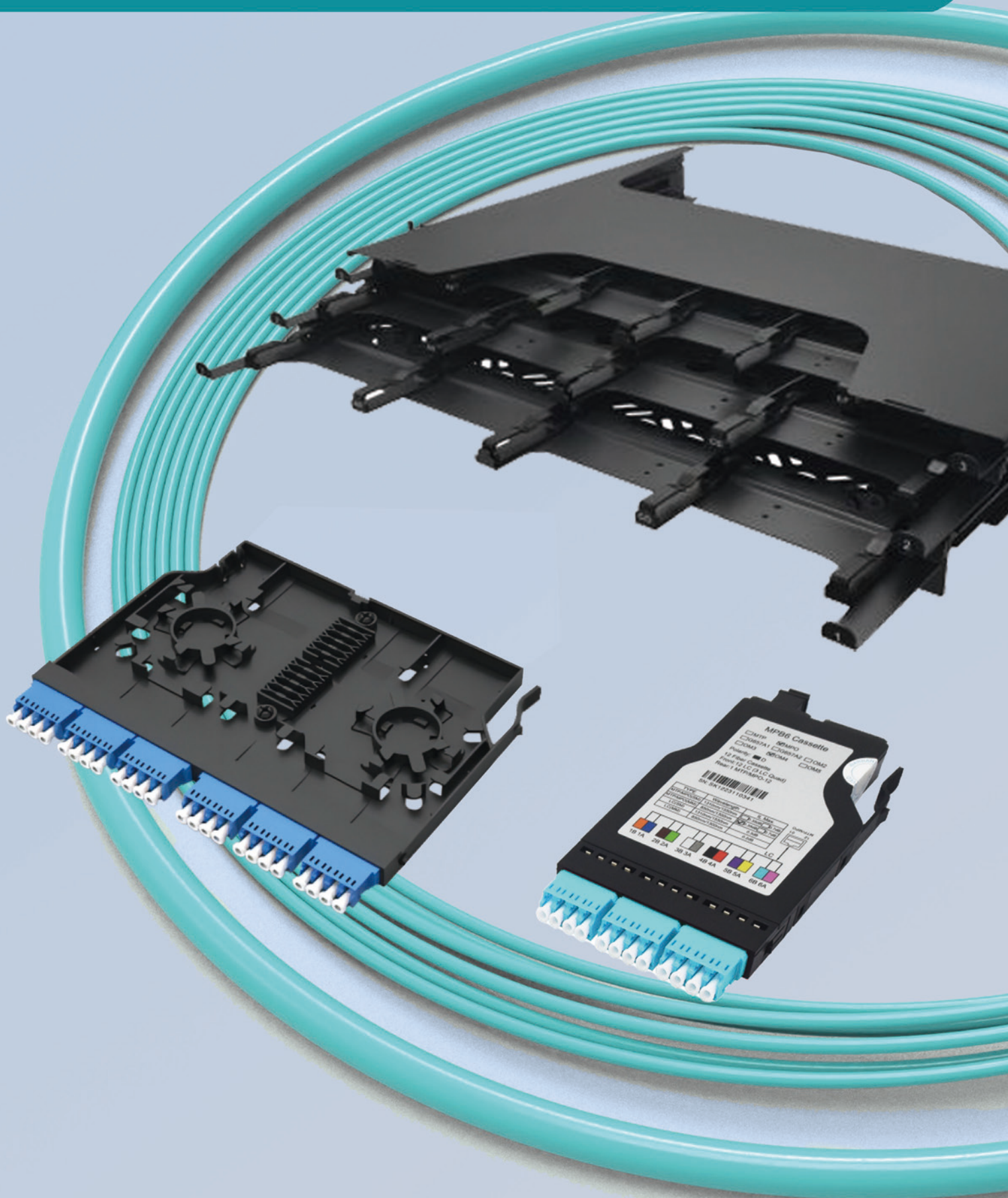
SMP-S8pK-OM3-B

Ordering Information

Model		Fibre Channel		Adaptor Type		Fiber		Polarity	
SMP	S8Tp	MTP®-8		N/A	LC Std Adaptors	SM	OS2	A	Type A
	S8p	MPO-8		S	Shuttered LC /MPO Adaptors	OM3	OM3	AF	Type AF
				K	SENKO Adaptors	OM4	OM4	B	Type B
						OM5	OM5		

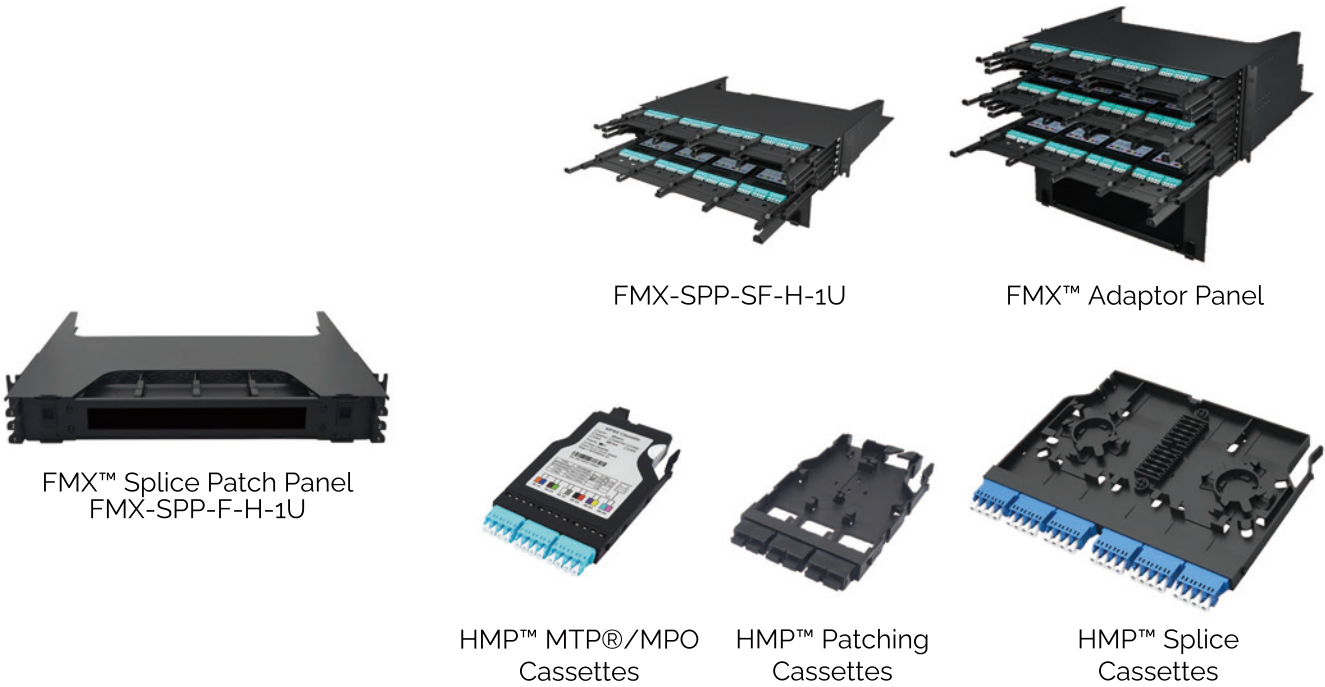
Ex) SMP-S8Tp-OM3-B : MTP®/MPO Cassette, SMP™ Series, Base-8, Male MTP®-8 to LC OM3 Pre-term., Type B, Low-Loss

Fiber HD Patch Panel-HMP™ Series



HMP™ HD Patch Panels

Data centers and telecommunications rooms are rapidly outgrowing their footprint as they attempt to meet increasing bandwidth demands. The HMP™ Cassette-based platform offers optimum patching capacity in areas where space is at a premium. The enclosures and panels allow up to 144 fibers with LC interface



Features

- Up to 12 Cassettes / 144 fibers per 1U
- Steel Front & Rear door, Cover, Base
- Aluminum-alloy sliding rail, reduce the whole weight, precise dimension, compact fit
- Insertion and removal of drawer and Cassette with one hand
- Horizontal opening front-door, separates redundant paths
- Single-handed handling of drawers and Cassette
- Box sliding rail coordinate with cassette rail, take maximum convenience for installation & overhaul

Properties

- Applied MTP®/MPO Base-8/12/16/24
- Connecting directly into 40GBASE, 100GBASE, 400GBASE, 800GBASE
- MTP®/MPO Cassettes standard :
 - IL ≤ 0.30dB (MM Low-loss) / 0.30dB (SM Low-loss)
 - ≤ 0.50dB (MM Std Loss) / 0.70dB (SM Std Loss)
 - RL ≥ 25dB (MM), ≥ 60dB (SM)
- Polarity Method Type A, AF or B

Application

- Data centers of Enterprise, Service, Cloud
- Telecom communications
- Indoor installation

Parameter	Value		
Rack height	1U	2U	4U
Mounting type	Standard 19"		
Dimension(WxDxH) mm	482.8X350X44	482.8X350X88	482.8X350X177
Material	Chassis and drawers: SPCC steel powder coated		
Color	Black		
Capacity	Up to 18 x CH4 Cassettes Up to 12 x CH6 Cassettes Up to 9 x CH8 Cassettes Up to 6 x CH12 Cassettes	Up to 36 x CH4 Cassettes Up to 24 x CH6 Cassettes Up to 18 x CH8 Cassettes Up to 12 x CH12 Cassettes	Up to 72 x CH4 Cassettes Up to 48 x CH6 Cassettes Up to 36 x CH8 Cassettes Up to 24 x CH12 Cassettes
Density	Up to 144 ports	Up to 288 ports	Up to 576 ports

HMP™ HD Patch Panels



HMP-MPP-S12S-1U



HMP-MPP-S12S-1U



HMP-MPP-S12S-4U

Ordering Information

Model	Product Code		Fibre Channel		Tray Type		Height	
HMP	MPP	Multi-fibers Patch Panel	S8	8 Fibers/CH 4	S	Sliding	1U	1U
			S12	12 Fibers/CH 6			2U	1U
			S16	16 Fibers/CH 8			4U	1U
			S24	24 Fibers/CH 12				

Ex) HMP-MPP-S8S-1U :
FO HD Patch Panel, HMP™ Series 1U Rack Mount Unloaded, Sliding Drawer, CH4 Slots

HMP™ MTP®/MPO Cassettes



HMP™ MTP®/MPO
Cassettes, 8 Fibers



HMP™ MTP®/MPO
Cassettes, 12 Fibers



HMP™ MTP®/MPO
Cassettes, 16 Fibers



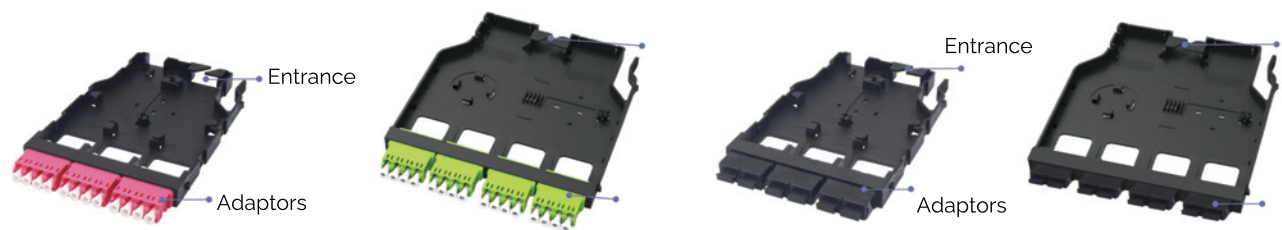
HMP™ MTP®/MPO
Cassettes, 24 Fibers

Ordering Information

Model	Fibre Channel		Adaptor Type		Fiber		Polarity	
HMP	S8T	MTP®-8, 8Fibers	N/A	LC Std Adaptors	SM	OS2	A	Type A
	2S8T	2xMTP®-8, 16Fibers	S	Shuttered LC /MPO Adaptors	OM3	OM3	AF	Type AF
	3S8T	3xMTP®-8, 24Fibers			OM4	OM4	B	Type B
	S12T	MTP®-12, 12Fibers			OM5	OM5		
	2S12T	2xMTP®-12, 24Fibers						
	S16T	MTP®-16, 16Fibers						
	S24T	MTP®-24, 24Fibers						
	S8	MPO-8, 8Fibers						
	2S8	2xMPO-8, 16Fibers						
	3S8	3xMPO-8, 24Fibers						
	S12	MPO-12, 12Fibers						
	2S12	2xMPO-12, 24Fibers						
	S16	MPO-16, 16Fibers						
	S24	MPO-24, 24Fibers						

Ex) HMP-MC-S8T-OM3-B : MTP®/MPO Cassette, HMP™ Series, 8 Fibers, Male MTP®-8 to LC OM3 Pre-term., Type B, Low-Loss

HMP™ Fiber Patching Cassettes



Patching Cassette
3xLC Quad, 12 Fibers

Patching Cassette
4xLC Quad, 16 Fibers

Patching Cassette
3xMPO DX, 6 Ports

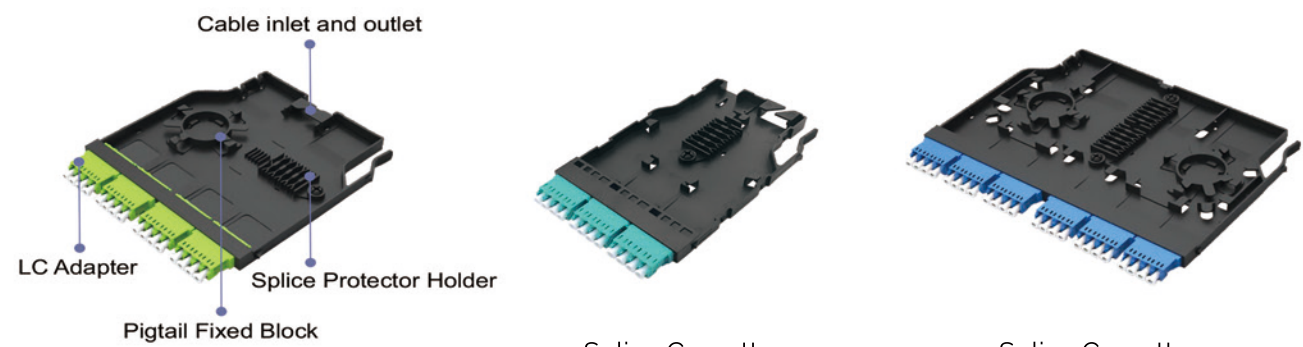
Patching Cassette
4xMPO DX, 8 Ports

Ordering Information

Model	Product Code		Fibre Channel		Adaptor Type		Adaptor Color	
	HMP	PC	Patching Cassettes					
			2LC	2xLC Quad Adaptors	N/A	Std Adaptors	BL	Blue
			3LC	3xLC Quad Adaptors	S	Shuttered Adaptors	AQ	Aqua
			4LC	4xLC Quad Adaptors			HV	Heather Violet
			3MTP	3xMTP® Duplex			BK	Black
			4MTP	4xMTP® Duplex				
			3MPO	3xMPO Duplex				
			4MPO	4xMPO Duplex				

Ex) HMP-PC-4LC-AQ : FO Patching Cassette, HMP™ Series, 16 Fibers, 4xLC Quad, Aqua color

HMP™ Fiber Splice Cassettes



Splice Cassette
LC 16 Fibers

Splice Cassette
LC, 12 Fibers

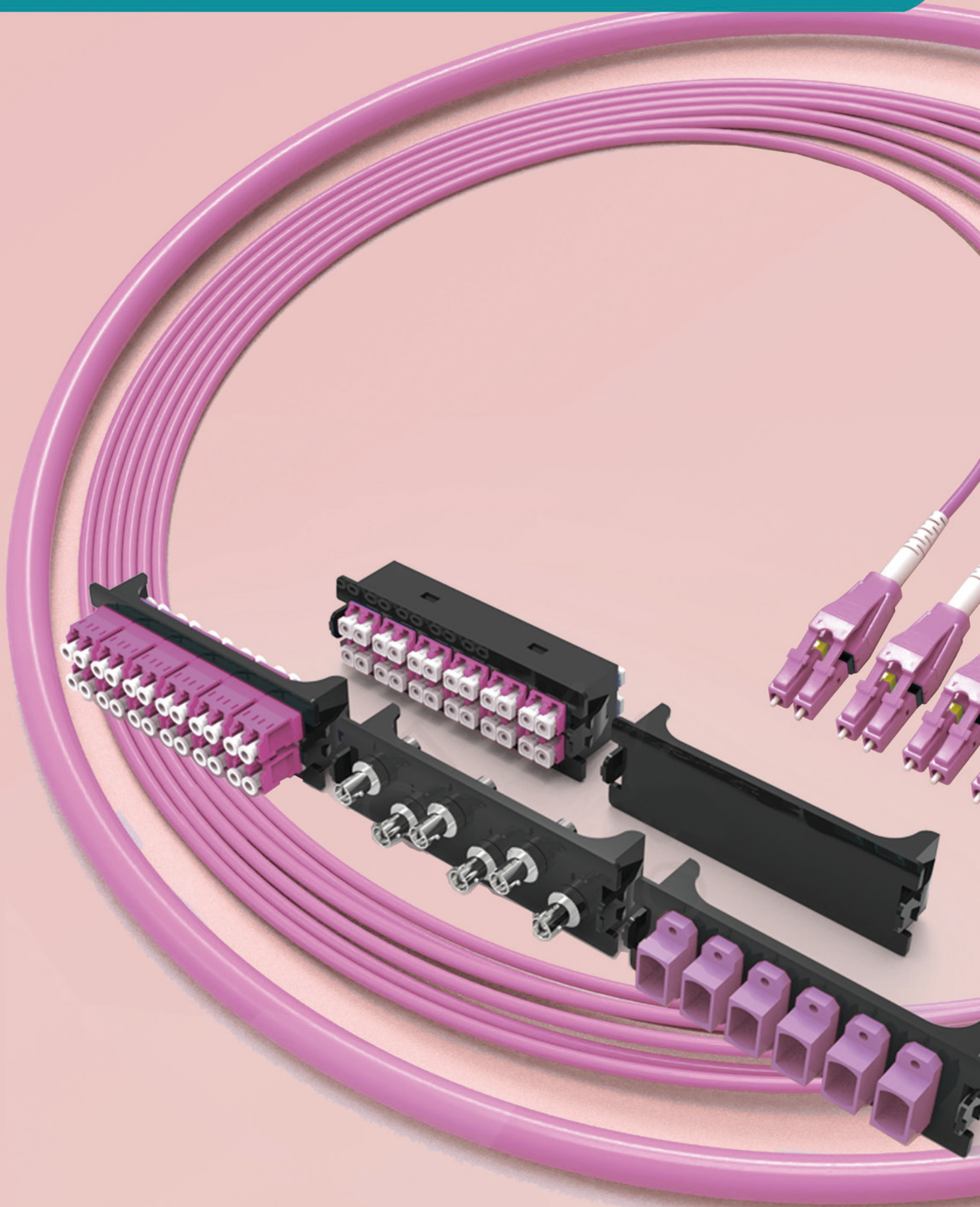
Splice Cassette
LC, 24 Fibers

Ordering Information

Model	Fibre Channel		Adaptor Type		Fiber		Adaptor Color	
	HMP							
	LC12	LC, 12Fibers	N/A	LC Std Adaptors	SM	OS2	BL	Blue
	LC16	LC, 16Fibers	S	Shuttered LC Adaptors	OM3	OM3	AQ	Aqua
	LC24	LC, 24Fibers			OM4	OM4	HV	Heather Violet
					OM5	OM5		

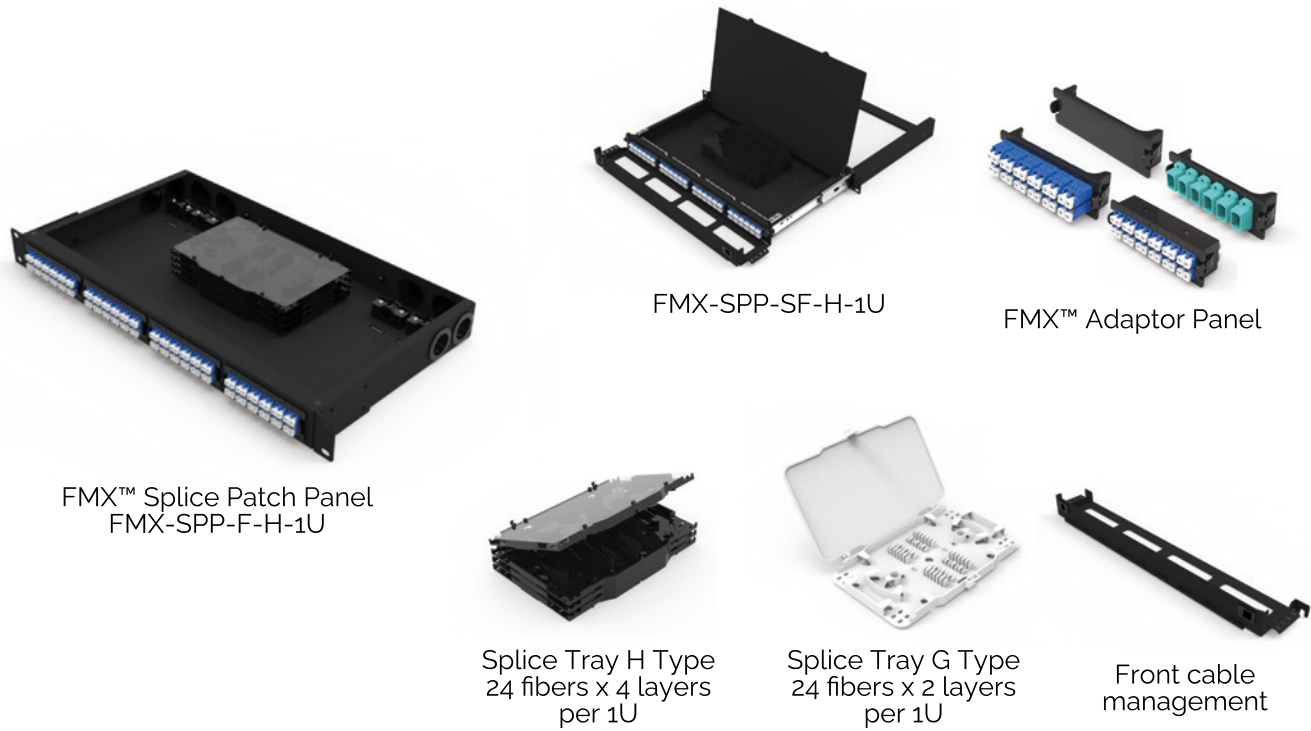
Ex) HMP-SC-LC12-OM3-AQ : FO Splice Cassette, HMP™ Series, 12 Fibers, 3xLC Quad, Aqua color with Pigtail LC OM3

Fiber Patch Panel-FMX™ Series



FMX™ Patch Panels

The Fiber Patching & Splice Platform is an easy-to-connect, high-density solution for enterprise and data center applications, where fast deployment and simple maintenance are critical. The system includes 1U high-density panels, fiber Snap-in Adaptor panels, and accessories for additional cable protection and management.



Features

- Up to 4 Adaptor Panels / 96 fibers per 1U
- Stability and durability for supporting telecommunication equipment
- EIA-310 D/IEC-60297/DIN 41494 19"
- Tray 1U Fixed or Sliding drawer is optional
- Snap-in ABS adaptor panel design, conveniently installation
- Insertion and removal of adaptor panel with one hand
- Front cable management tray is optional for 1U

Properties

- Applied 6 to 24 fibers Adaptor Panel for LC, SC, FC
- Applied 288 fibers Adaptor Panel for MTP®/MPO

Application

- Data centers of Enterprise, Service, Cloud
- Telecom communications
- Indoor installation

Parameter	Value			
Rack height	1U	2U	3U	4U
Mounting type	Standard 19"			
Dimension(WxDxH) mm	482.6X256X44	482.6X256X88	482.6X426X130	482.6X430X177
Material	Chassis and drawers: SPCC steel powder coated			
Color	Black			
Capacity	Up to 4 x modules	Up to 8 x modules	Up to 12 x modules	Up to 16 x modules
Density	Up to 96 ports	Up to 192 ports	Up to 288 ports	Up to 384 ports

FMX™ Patch Panels



FMX-SPP-F-H-1U



FMX-SPP-ST-H-1U



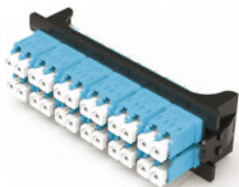
FMXSPP-SF-H-1U

Ordering Information

Model		Product Code		Type		Splice Tray		Height	
FMX	SPP		Splice Patch Panel	F	Fixed	G	G Type	1U	1U
				ST	Sliding & Tilt-down	H	H Type		
				SF	Sliding & Flippable cover				

Ex) FMX-SPP-F-H-1U : FO Patch Panel, FMX™ Series 1U Rack Mount Unloaded, Fixed, Holds up to 4 x FMX Adaptor Panel

FMX™ Adaptor Panels



AP-FMX-12DLC



AP-FMX-12DLCI



AP-FMX-12SC



AP-FMX-6MPO



AP-FMX-6FC



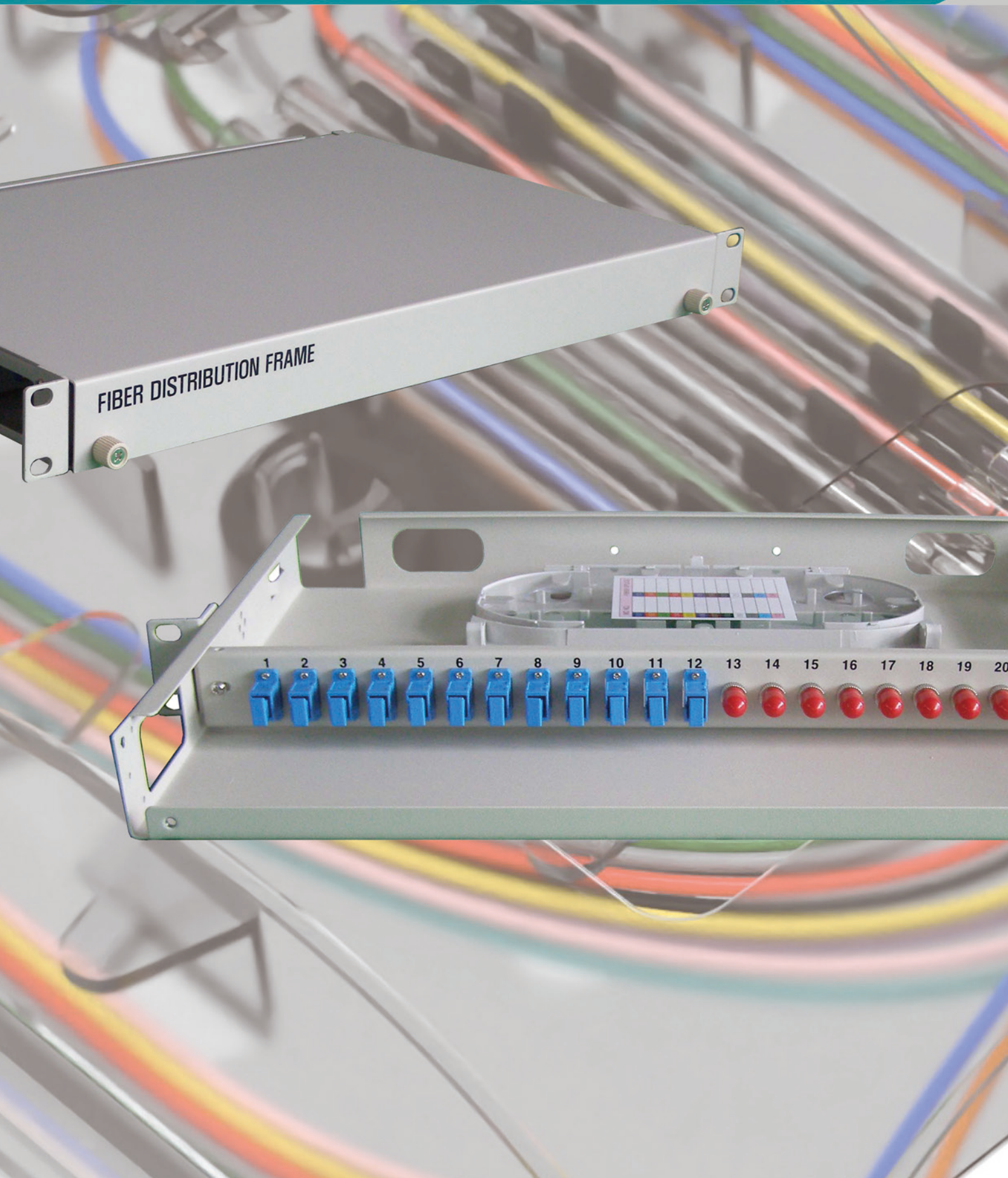
AP-FMX-BLK

Ordering Information

Code		Model		Connector		Color	
AP	FMX		FMX Series	12DLC	12 x LC DX	BL	Blue
				12DLCI	12 x LC DX Inner	BG	Beige
				6DLC	6 x LC DX	GR	Green
				12SC	12 x SC SX	AQ	Aqua
				6MPO	6 x MPO	HV	Heather Violet
				6MTP	6 x MTP	N	None(FC/BLK)
				6FC	6 x FC		
				BLK	Blank		

Ex) AP-FMX-12DLC-BL : Fiber Adaptor Panel, FMX™ Series 12 x LC Duplex Adaptor, Blue Color

Fiber Splice Patch Panel-FDF Series



FDF Splice Patch Panels

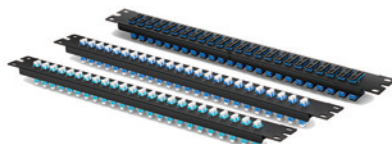
FDF Patch panels are designed with an emphasis on usability and accessibility, while allowing for up to 48 fibers per rack unit. The panels are available empty or preloaded, and their shallow depth allows for installation in most standard racks and wall-mount enclosures.



FDF / Fixed tray
Inner adaptor panel
SPP-FDF-IF-A-1U



Splice Tray F Type
24 fibers x 2 layers
per 1U



FDF Adaptor Panel



FDF / Fixed tray
Outer adaptor panel
SPP-FDF-OF-A-1U



FDF / Sliding tray
Outer adaptor panel
SPP-FDF-S-A-1U

Features

- Stability and durability for supporting telecommunication equipment
- EIA-310 D/IEC-60297/DIN 41494 19"
- One body adaptor panel design, conveniently installation
- Insertion and removal of adaptor panel
- Steel Cover, Base, Bracket, Panel

Properties

- Applied 12 to 24 fibers Adaptor Panel for LC, SC, ST

Application

- Data centers of Enterprise, Service, Cloud
- Telecom communications
- Indoor installation

Parameter	Value		
P/N	SPP-FDF-IF-A-1U	SPP-FDF-OF-A-1U	SPP-FDF-S-A-1U
Rack height	1U		
Mounting type	Standard 19"		
Dimension(WxDxH) mm	482.6X311.2X43.6	482.6X202X44	482.6X270X43.6
Material	Chassis and drawers: SPCC steel powder coated		
Color	Black		
Density	Up to 48 ports		

FDF Splice Patch Panels



SPP-FDF-IF-A-1U



SPP-FDF-OF-A-1U



SPP-FDF-S-A-1U

Ordering Information

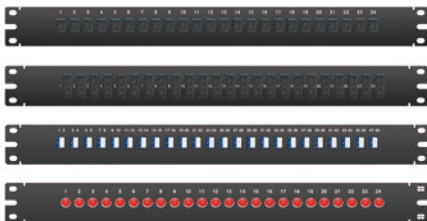
Code		Model		Type		Splice Tray		Height	
SPP	FDF	FDF Series		IF	Inner Fixed	A	A Type	1U	1U
				OF	Outer Fixed				
				S	Sliding				

Ex) SPP-FDF-IF-A-1U : FO Splice Patch Panel, FDF 1U Rack Mount Unloaded, Inner Fixed

FDF Adaptor Panels



Adaptor Panel
FDF Outer Fixed Series



Adaptor Panel
FDF Inner Fixed Series

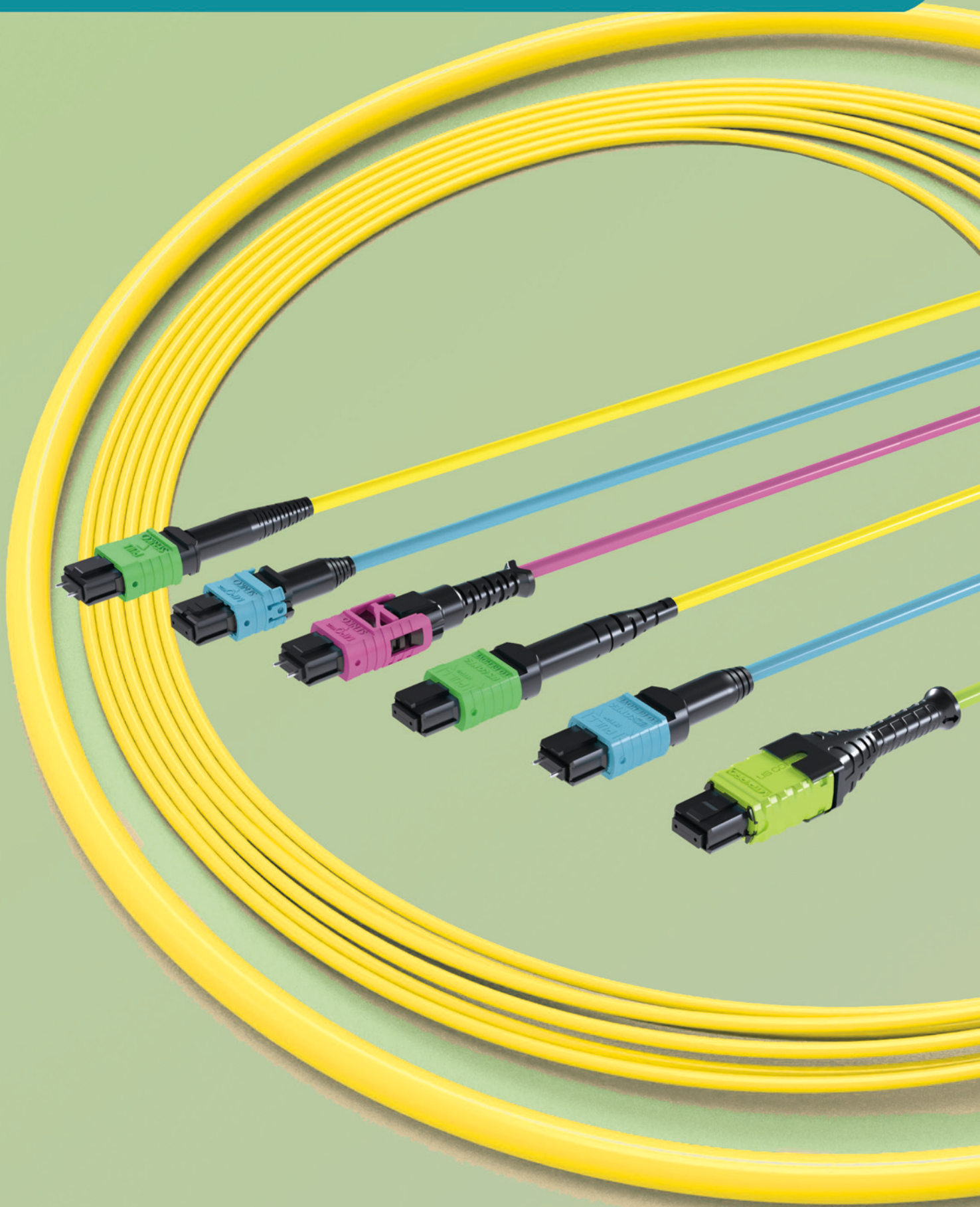
Ordering Information

Code		Model		Adaptor		Type		Color	
AP	FDF	FDF Series	12SC	12 x SC SX	OF	Outer Fixed	BL	Blue	
			24SC	24 x SC SX			BG	Beige	
			12DSC	12 x SC DX			GR	Green	
			24DSC	24 x SC DX			AQ	Aqua	
			12DLC	12 x LC DX			HV	Heather Violet	
			24DLC	24 x LC DX			NA	Not Applicable	
			12ST	12 x ST					
			24ST	24 x ST					

Code		Model		Adaptor		Type		Color	
AP	FDF	FDF Series	12SC	12 x SC SX	IF	Inner Fixed	BL	Blue	
			24SC	24 x SC SX			BG	Beige	
			12DLC	12 x LC DX			GR	Green	
			24DLC	24 x LC DX			AQ	Aqua	
			12ST	12 x ST SX			HV	Heather Violet	
			24ST	24 x ST SX			NA	Not Applicable	

Ex) AP-FDF-12SC-OF-BL : Fiber Adaptor Panel, 12 x SC Simplex Adaptor,Outer fixed, Blue Color

Pre-Terminated Cable Assemblies



MTP®/MPO Assemblies



MTP®
Patch Cords



MPO Trunks



MTP® to LC Harnesses



MPO to LC Harnesses



MTP® Array Cords



MPO
Armored Cords

Features

- Optical Fiber MTP®/MPO assemblies
- Plug and play system
- 40G to 400G, 800G Ethernet
- OM3, OM4, OM5 and OS2 performance
- Fast and simple installation
- IEC 61754-7, TIA 604-5
- Telcordia GR-1435 approval test

Properties

- Up to 8,12,16,24 fibers per assembly
- Cable for LSZH, OFNR-LSZH, OFNP
- Diameter 3.0mm
- MTP®/MPO Patchcord standard :
 $IL \leq 0.30\text{dB (MM Low-loss)} / 0.30\text{dB (SM Low-loss)}$
 $\leq 0.50\text{dB (MM Std Loss)} / 0.70\text{dB (SM Std Loss)}$
 $RL \geq 25\text{dB (MM)}, \geq 60\text{dB (SM)}$
 Polarity Method Type A or B



MPO-8 / MPO-12
Non-Pinned (Female)



MPO-8 / MPO-12
Pinned (Male)



MPO-24
Non-Pinned (Female)



MPO-24
Pinned (Male)

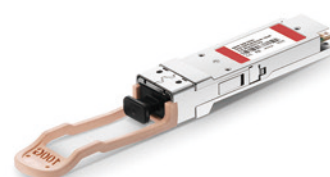


MPO-16
Non-Pinned (Female)



MPO-16
Pinned (Male)

1x12 Format for QSFP/4+4
 100G@25G x 4
 200G@50G x 4



2x12 Format for QDD/4+4
 2x100G@2x(25G x 4)



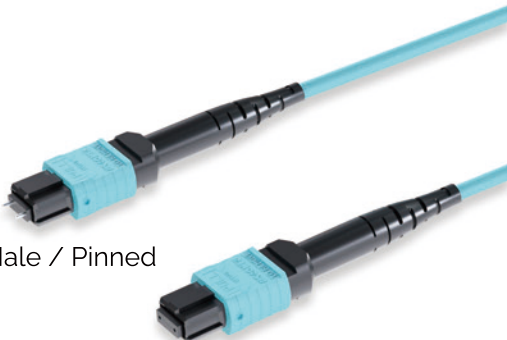
1x16 Format for QDD/8+8
 400G@50G x 8
 800G@100G x 8



MTP® Patch Cords



MTP® Patch Cord



MTP® Male / Pinned

MTP® Female / Non-pinned



MTP®-8/12

MTP®-16

MTP®-24

Ordering Information

MTP® is a registered trademark
US Conec Ltd., USA

Code	Connector	Gender	Fiber	IL Grade	Cable Type	Material	Polarity	Length
MJC	MTP MTP®	FF Female to Female MF Male to Female	SM OS2 OM3 OM3 OM4 OM4 OM5 OM5	S Standard Loss N/A Low-Loss	B08 Base-8 B12 Base-12 B16 Base-16 B24 Base-24	Z LSZH R OFNR-LSZH P OFNP	A Type A B Type B	XXX 003 3 Meters 010 10 Meters

- Ex) MJC-MTP-FF-OM3-SB12Z-B-003
- MTP® Patch Cord, Female MTP®-12 to Female MTP®-12-OM3-Base-12-LSZH-Type B, Std Loss, 3 Meters
MJC-MTP-FF-OM3-B12Z-B-003
- MTP® Patch Cord, Female MTP®-12 to Female MTP®-12-OM3-Base-12-LSZH-Type B, Low-Loss, 3 Meters

MPO Patch Cords



MPO Patch Cord



MPO Male / Pinned

MPO Female / Non-pinned



MPO-8/12

MPO-16

MPO-24

Ordering Information

MPO Plus® is a registered trademark
SENKO Ltd., JAPAN

Code	Connector	Gender	Fiber	IL Grade	Cable Type	Material	Polarity	Length
MJC	MPO MPO	FF Female to Female MF Male to Female	SM OS2 OM3 OM3 OM4 OM4 OM5 OM5	S Standard Loss N/A Low-Loss	B08 Base-8 B12 Base-12 B16 Base-16 B24 Base-24	Z LSZH R OFNR-LSZH P OFNP	A Type A B Type B	XXX 003 3 Meters 010 10 Meters

- Ex) MJC-MPO-FF-OM3-SB12Z-B-003
- MPO Patch Cord, Female MPO-12 to Female MPO-12-OM3-Base-12-LSZH-Type B, Std Loss, 3 Meters
MJC-MPO-FF-OM3-B12Z-B-003
- MPO Patch Cord, Female MPO-12 to Female MPO-12-OM3-Base-12-LSZH-Type B, Low-Loss, 3 Meters

MTP® PRO Patch Cords



MTP® PRO Patch Cord

Polarity
ChangeableGender
ChangeableMTP® PRO with DirectConec™
All-in-one boot and push-pull tab

Ordering Information

MTP® is a registered trademark
US Conec Ltd., USA

Code	Connector		Gender		Fiber		IL Grade		Cable Type		Material		Polarity		Length	
MJC	MTP-PRO	MTP® PRO	FF	Female to Female	SM	OS2	S	Standard Loss	B08	Base-8	Z	LSZH	A	Type A	XXX	
	MTP-DC	MTP® PRO	MF	Male to Female	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003	3 Meters
		with DirectConec			OM4	OM4			B16	Base-16	P	OFNP			005	10 Meters
					OM5	OM5			B24	Base-24						

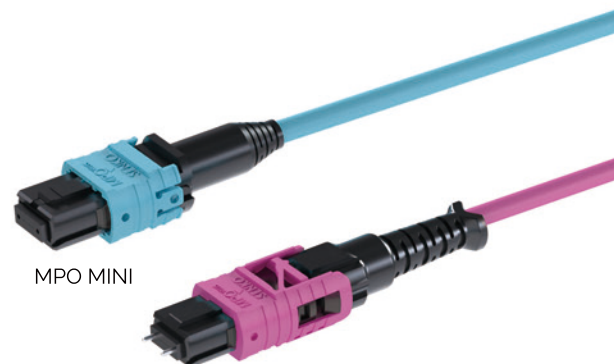
Ex) MJC-MTP-PRO-FF-OM3-B12Z-B-003 :

MTP® Patch Cord, Female MTP®-12 PRO to Female MTP®-12 PRO-OM3-Base-12-LSZH-Type B, Low-Loss, 3 Meters

MPO MINI Patch Cords



MPO MINI Patch Cord

Polarity
ChangeableGender
Changeable

MPO MINI

MPO EZ-WAY
Push-pull boot

Ordering Information

MPO Plus® is a registered trademark
SENKO Ltd., JAPAN

Code	Connector		Gender		Fiber		IL Grade		Cable Type		Material		Polarity		Length	
MJC	MPO-MN	MPO MINI	FF	Female to Female	SM	OS2	S	Standard Loss	B08	Base-8	Z	LSZH	A	Type A	XXX	
	MPO-EW	MPO EZ-WAY	MF	Male to Female	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003	3 Meters
					OM4	OM4			B16	Base-16	P	OFNP			010	10 Meters
					OM5	OM5			B24	Base-24						

Ex) MJC-MPO-MINI-FF-OM3-B12Z-B-003 :

MTP® Patch Cord, Female MPO-12 MINI to Female MPO-12 MINI-OM3-Base-12-LSZH-Type B, Low-Loss, 3 Meters

MTP® Trunks



MTP® Trunk



MTP® Male / Pinned

MTP® Female / Non-pinned

Ordering Information

Code		Connector		Gender		Fiber		Cable Type		Fiber Capacity		Material		Polarity		Length	
MTC	MTP	MTP®		FF	Female to Female	SM	OS2	B8	Base-8	1	Base-8/12x 1	Z	LSZH	A	Type A	XXX	
				MM	Male to Male	OM3	OM3	B12	Base-12	2	Base-8/12x 2	P	OFNP	B	Type B	030	30 Meters
						OM4	OM4			3	Base-8/12x 3					035	35 Meters
						OM5	OM5			4	Base-8/12x 4					040	40 Meters
																050	50 Meters

Ex) MTC-MTP-FF-OM3-B123Z-B-010 :
MTP® Trunks, Female MTP®-12 to Female MTP®-12-OM3-Base-12x3-LSZH-Type B, Low-Loss, with pulling eye one end, 30 Meters

MPO Trunks



MPO Trunk



MPO Male / Pinned

MPO Female / Non-pinned

Ordering Information

Code		Connector		Gender		Fiber		Cable Type		Fiber		Material		Polarity		Length	
MTC	MPO	MPO		FF	Female to Female	SM	OS2	B8	Base-8	1	Base-8/12x 1	Z	LSZH	A	Type A	XXX	
				MM	Male to Male	OM3	OM3	B12	Base-12	2	Base-8/12x 2	P	OFNP	B	Type B	030	30 Meters
						OM4	OM4			3	Base-8/12x 3					035	35 Meters
						OM5	OM5			4	Base-8/12x 4					040	40 Meters
																050	50 Meters

Ex) MTC-MPO-FF-OM3-B123Z-B-010 :
MPO Trunks, Female MPO-12 to Female MPO-12-OM3-Base-12x3-LSZH-Type B, Low-Loss, with pulling eye one end, 30 Meters

MPO Plus® is a registered trademark
SENKO Ltd., JAPAN

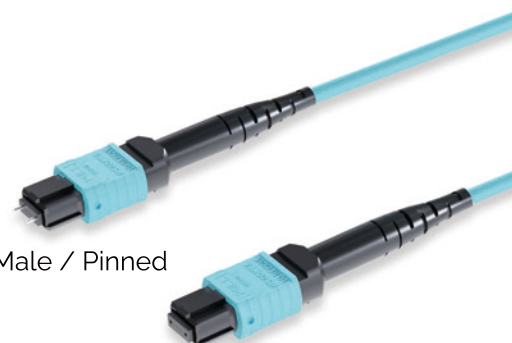
MTP® Harnesses



MTP®-8 to LC Harness



MTP®-12 to LC Harness



MTP® Male / Pinned



MTP® Female / Non-pinned

Ordering Information

MTP® is a registered trademark
US Conec Ltd., USA

Code	Connector		Fiber		IL Grade		Cable Type		Material		Polarity		Length
MHC	MTP-FLC	Female MTP-LC	SM	OS2	S	Standard Loss	B8	Base-8	Z	LSZH	A	Type A	XXX
	MTP-MLC	Male MTP-LC	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003 3 Meters
			OM4	OM4									005 5 Meters
			OM5	OM5									010 10 Meters

Ex) MHC-MTP-FLC-OM3-B8Z-B-003 : MTP® Harness, Female MTP®-8 to LC-OM3-Base-8-LSZH-Type B, Low-Loss, 3 Meters

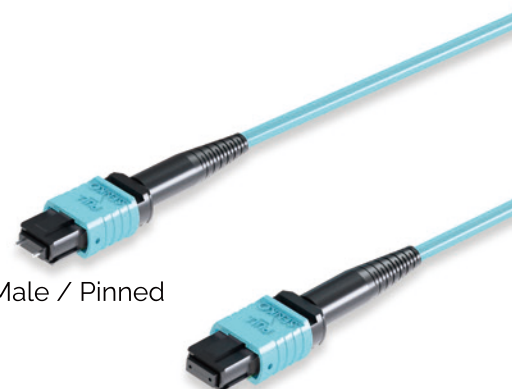
MPO Harnesses



MPO-8 to LC Harness



MPO-12 to LC Harness



MPO Male / Pinned



MPO Female / Non-pinned

Ordering Information

MPO Plus® is a registered trademark
SENKO Ltd., JAPAN

Code	Connector		Fiber		IL Grade		Cable Type		Material		Polarity		Length
MHC	MPO-FLC	Female MPO-LC	SM	OS2	S	Standard Loss	B8	Base-8	Z	LSZH	A	Type A	XXX
	MPO-MLC	Male MPO-LC	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003 3 Meters
			OM4	OM4									005 5 Meters
			OM5	OM5									010 10 Meters

Ex) MHC-MPO-FLC-OM3-SB12Z-B-003 : MPO Harness, Female MPO-12 to LC-OM3-Base-12-LSZH-Type B, Std Loss, 3 Meters

MTP® Harnesses



MTP®-12 to LC Uniboot Harness



MTP® Male / Pinned

MTP® Female / Non-pinned

Ordering Information

MTP® is a registered trademark
US Conec Ltd., USA

Code	Connector		Fiber		IL Grade		Cable Type		Material		Polarity		Length	
MHC	MTP-FLC-UNI	Female MPO-LC Uniboot	SM	OS2	S	Standard Loss	B8	Base-8	Z	LSZH	A	Type A	XXX	
	MTP-MLC-UNI	Male MPO-LC Uniboot	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003	3 Meters
			OM4	OM4									005	5 Meters
			OM5	OM5									010	10 Meters

Ex) MHC-MTP-FLC-UNI-OM3-B8Z-B-003 :
MTP® Harness, Female MTP®-8 to LC-Uniboot-OM3-Base-8-LSZH-Type B, Low-Loss, 3 Meters

MPO Harnesses



MPO-8 to LC Uniboot Harness



MPO Male / Pinned

MPO Female / Non-pinned

Ordering Information

MPO Plus® is a registered trademark
SENKO Ltd., JAPAN

Code	Connector		Fiber		IL Grade		Cable Type		Material		Polarity		Length	
MHC	MPO-FLC-UNI	Female MPO-LC Uniboot	SM	OS2	S	Standard Loss	B8	Base-8	Z	LSZH	A	Type A	XXX	
	MPO-MLC-UNI	Male MPO-LC Uniboot	OM3	OM3	N/A	Low-Loss	B12	Base-12	R	OFNR-LSZH	B	Type B	003	3 Meters
			OM4	OM4									005	5 Meters
			OM5	OM5									010	10 Meters

Ex) MHC-MPO-FLC-UNI-OM3-SB12Z-B-003 :
MPO Harness, Female MPO-12 to LC-Uniboot-OM3-Base-12-LSZH-Type B, Std Loss, 3 Meters

MTP® Array Cords for 400G to 200G



MTP® Array Cord
SR8 400G to 2xSR4 200G
Direct Connect



MTP®-16



MTP®-8



Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MTP	MTP®	FF	Female to Female	SM OS2 OM4 OM4 OM5 OM5	N/A	Low-Loss	12B16	1x2 Base-16	Z LSZH R OFNR-LSZH	B Type B	XXX	
												003	3 Meters
												010	10 Meters

Ex) MAC-MTP-FF-OM4-12B16Z-B-003 :

MTP® Array Cord, Female MTP®-16 APC to Female 2MTP®-8 UPC-OM4-Base-16-LSZH-Type B, Low-Loss, 3 Meters

MPO Array Cords for 400G to 200G



MPO Array Cord
SR8 400G to 2xSR4 200G
Direct Connect



MPO-16



MPO-8



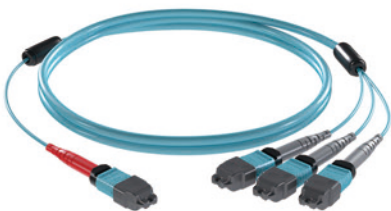
Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MPO	MPO	FF	Female to Female	SM OS2 OM4 OM4 OM5 OM5	N/A	Low-Loss	12B16	1x2 Base-16	Z LSZH R OFNR-LSZH	B Type B	XXX	
												003	3 Meters
												010	10 Meters

Ex) MAC-MPO-FF-OM4-12B16Z-B-003 :

MPO Array Cord, Female MPO-16 APC to Female 2MPO-8 UPC-OM4-Base-16-LSZH-Type B, Low-Loss, 3 Meters

MTP® Array Cords



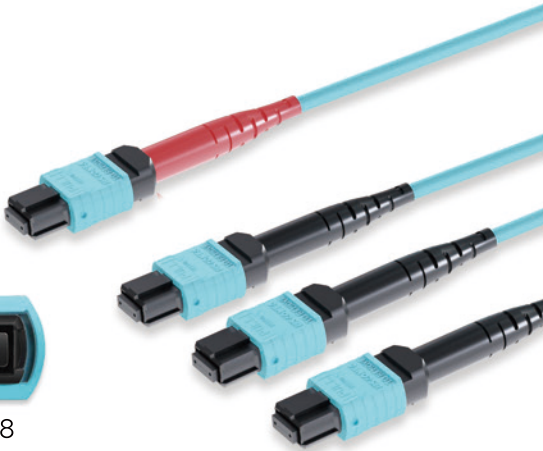
MTP® Array Cord
SR10 to 3xSR4



MTP®-24



MTP®-8



Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MTP	MTP®	FF	Female to Female	SM OS2 OM3 OM3 OM4 OM4	N/A	Low-Loss	13B24	1x3 Base-24	Z LSZH R OFNR-LSZH P OFNP	B Type B	XXX	
												003	3 Meters
												010	10 Meters

Ex) MAC-MTP-FF-OM3-13B24Z-B-003 :
MTP® Array Cord, Female MTP®-24 UPC to Female 3MTP®-8 UPC-OM3-Base-24-LSZH-Type B, Low-Loss, 3 Meters

MPO Array Cords



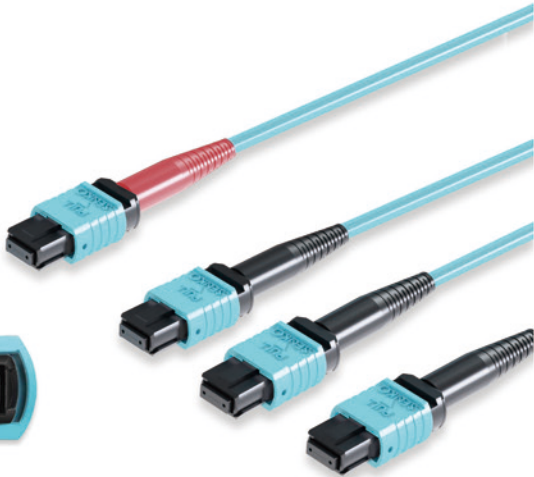
MPO Array Cord
SR10 to 3xSR4



MPO-24



MPO-8



Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MPO	MPO	FF	Female to Female	SM OS2 OM3 OM3 OM4 OM4	N/A	Low-Loss	13B24	1x3 Base-24	Z LSZH R OFNR-LSZH P OFNP	B Type B	XXX	
												003	3 Meters
												010	10 Meters

Ex) MAC-MPO-FF-OM3-13B24Z-B-003 :
MPO Array Cord, Female MPO-24 UPC to Female 3MPO-8 UPC-OM3-Base-24-LSZH-Type B, Low-Loss, 3 Meters

MTP® Array Cords



MTP® Array Cord
MTP®-24 to 2xMTP®-12
Parallel Interconnect



MTP®-24



MTP®-12



Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MTP	MTP®	FF	Female to Female	SM OS2 OM3 OM3 OM4 OM4	N/A	Low-Loss	12B24	1x2 Base-24	Z LSZH R OFNR-LSZH P OFNP	A Type A	XXX 003 010	3 Meters 10 Meters

Ex) MAC-MTP-FF-OM3-12B24Z-A-003 :

MTP® Array Cord, Female MTP®-24 UPC to Female 2MTP®-12 UPC-OM3-Base-24-LSZH-Type A, Low-Loss, 3 Meters

MPO Array Cords



MPO Array Cord
MPO-24 to 2xMPO-12
Parallel Interconnect



MPO-24



MPO-12



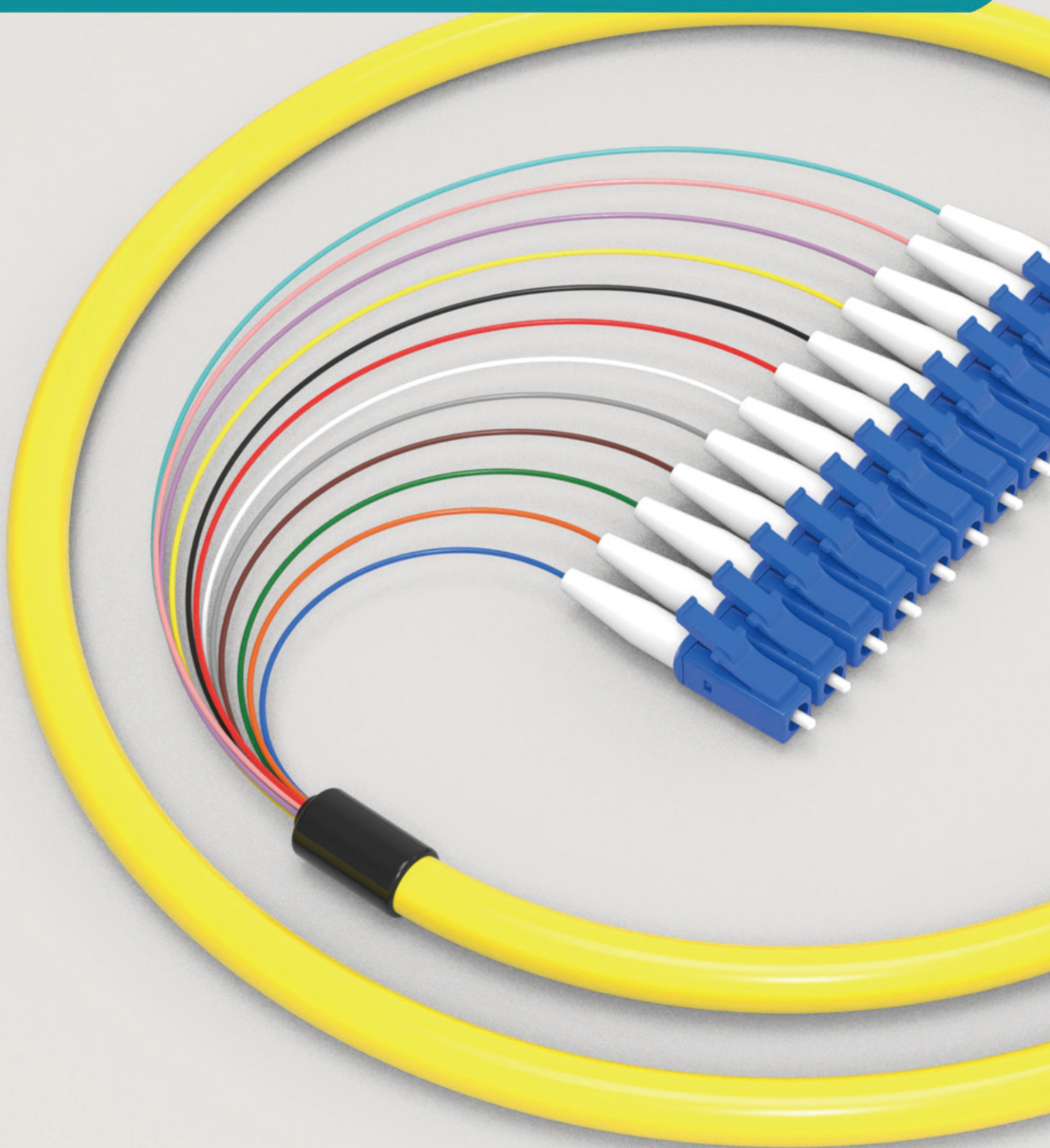
Ordering Information

Code	Connector		Gender	Fiber		IL Grade		Cable Type		Material	Polarity	Length	
MAC	MPO	MPO	FF	Female to Female	SM OS2 OM3 OM3 OM4 OM4	N/A	Low-Loss	12B24	1x2 Base-24	Z LSZH R OFNR-LSZH P OFNP	A Type A	XXX 003 010	3 Meters 10 Meters

Ex) MAC-MPO-FF-OM3-12B24Z-A-003 :

MPO Array Cord, Female MPO-24 UPC to Female 2MPO-12 UPC-OM3-Base-24-LSZH-Type A, Low-Loss, 3 Meters

Pre-Terminated Cable Assemblies



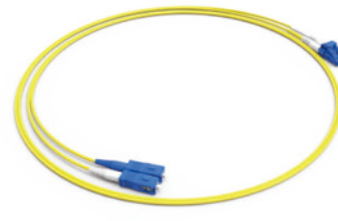
Fiber Patch Cords



LC to LC



SC to SC



SC to LC



FC to FC



ST to ST



E2000 to E2000



LC to LC Push-pull

LC to LC LED Easy
Track

Features

- Guaranteed performance specifications
- Low insertion loss and return loss
- IEC 61754-20, TIA 604-10-A
- Various connector type available
- IEC 60874, 61300, 61753-*** test
- Telcordia GR-326 approval test

Properties

- Up to Simplex, Duplex fibers per assembly
- Fiber type:
 - SM OS2 G.657A Low bend
 - MM OM3/OM4/OM5
- Cable for LSZH, OFNR-LSZH & OFNP
- Diameter 2.0 or 3.0mm
- Standard Patch Cord :
 - IL $\leq$ 0.3dB(low-loss)
 - RL $\geq$ 50dB(UPC/OS2), 60dB(APC/OS2), 20dB(UPC/OM3, OM4, OM5)

Ordering Information

Code	Connector First End		Connector Second End		Fiber		Cable Type		Material		Length	
JC	LC	LC/UPC	LC	LC/UPC	SM	OS2	SX20	Simplex-2.0mm	Z	LSZH	XXX	
	LCA	LC/APC	LCA	LC/APC	OM1	OM1	DX20	Duplex-2.0mm	R	OFNR-LSZH	001	1 Meter
	SC	SC/UPC	SC	SC/UPC	OM3	OM3	DR20	Duplex Round-2.0mm	P	OFNP	003	3 Meters
	SCA	SC/APC	SCA	SC/APC	OM4	OM4					005	5 Meters
	ST	ST/UPC	ST	ST/UPC	OM5	OM5					007	7 Meters
	FC	FC/UPC	FC	FC/UPC							010	10 Meters
	FCA	FC/APC	FCA	FC/APC							025	25 Meters
	E2	E2000/UPC	E2	E2000/UPC							050	50 Meters

Ex) JC-LC-LC-OM3-DX20Z-003 : FO Patch Cord, LC/UPC-LC/UPC-OM3-DX-2.0mm-LSZH-3 Meters

LC&SC Patch Cords



LC to LC Patch Cord



SC to SC Patch Cord



LC to LC-OM3-DX



LC to LC-OS2-DX



SC to SC-OS2-DX



SC to SC-OM1-DX

Ordering Information

Code	Connector First End		Connector Second End		Fiber		Cable Type		Material		Length	
	LC	LC/UPC	LC	LC/UPC	SM	OS2	SX20	Simplex-2.0mm	Z	LSZH	XXX	
JC	LCA	LC/APC	LCA	LC/APC	OM3	OM3	DX20	Duplex-2.0mm	R	OFNR-LSZH	003	3 Meters
	SC	SC/UPC	SC	SC/UPC	OM4	OM4			P	OFNP	005	5 Meters
	SCA	SC/APC	SCA	SC/APC	OM5	OM5						

Ex) JC-LC-LC-SM-DX20Z-003 : LC/UPC-LC/UPC-SM-DX-2.0mm-LSZH-3 Meters

LC Uniboot Patch Cords



LC to LC Uniboot Patch Cord



Polarity Switchable



LC to LC-Uniboot-OM3-DR2



LC to LC-Uniboot-OM4-DR2



LC to LC-Uniboot-OS2-DR2

Ordering Information

Code	Connector		Fiber		Cable Type		Material		Length	
	LC-LC-UNI	LC/UPC-LC/UPC Uniboot	SM	OS2	DR20	Duplex Round-2.0mm	Z	LSZH	XXX	
JC			OM3	OM3			R	OFNR-LSZH	003	3 Meters
			OM4	OM4			P	OFNP	005	5 Meters
			OM5	OM5						

Ex) JC-LC-LC-UNI-OM4-DR20Z -003 : FO Patch Cord, LC/UPC-LC/UPC-Uniboot-OM4-DR-2.0mm-LSZH-3 Meters

LC Push-Pull Tab Patch Cords



LC to LC Push-Pull Tab Patch Cord



Polarity Switchable



LC to LC Push-Pull Tab-OM3-DR2



LC to LC Push-Pull Tab-OM4-DR2



LC to LC Push-Pull Tab-OM3-DR2

Ordering Information

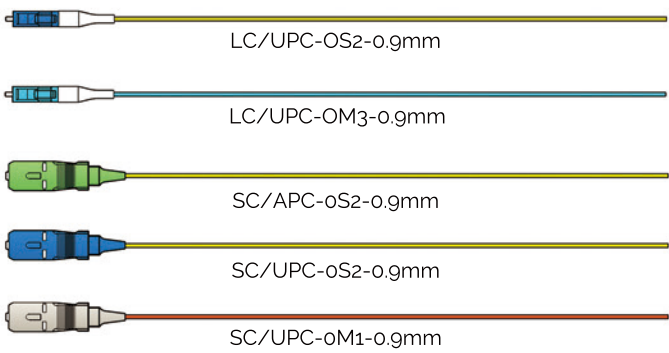
Code		Connector		Fiber		Cable Type		Material		Length	
JC		LC-LC-PP	LC/UPC-LC/UPC Push-Pull Tab	SM	OS2	DR20	Duplex Round-2.0mm	Z	LSZH	XXX	
				OM3	OM3			R	OFNR-LSZH	003	3 Meters
				OM4	OM4			P	OFNP	005	5 Meters
				OM5	OM5						

Ex) JC-LC-LC-PP-M3-DR2Z-003 : FO Patch Cord, LC/UPC-LC/UPC-Push/Pull-OM3-DR-2.0mm-LSZH-3Meters

Fiber Pigtails



Pigtail LC-OS2



Ordering Information

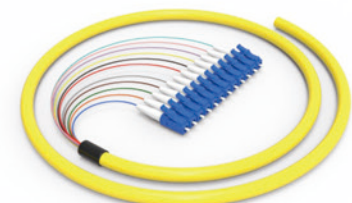
Code		Type		Fiber		Cable Type		Material		Length	
PG	LC	LC	LC/UPC	SM	OS2	09	0.9mm	Z	LSZH	010	1 Meter
	LCA	LC	LC/APC	OM1	OM1			R	OFNR-LSZH	1P5	1.5 Meter
	SC	SC	SC/UPC	OM3	OM3						
	SCA	SC	SC/APC	OM4	OM4						
				OM5	OM5						

Ex) PG-LC-SM-09Z-1P5 : FO Pigtail, LC/UPC-SM-0.9mm-LSZH-1.5 Meters

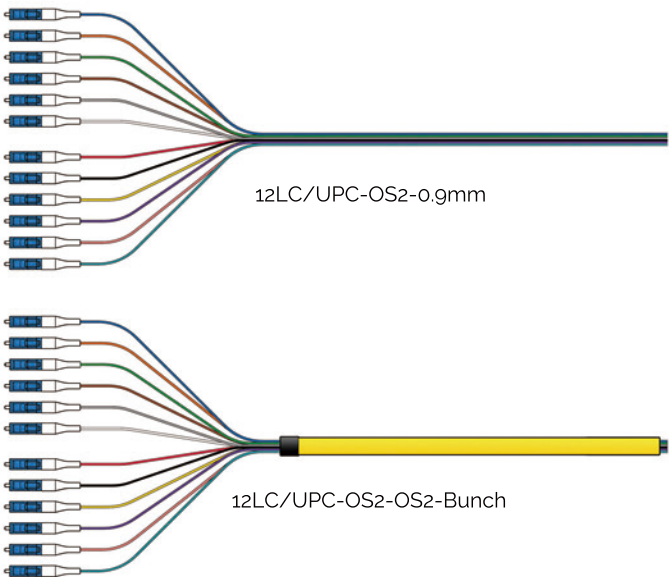
Fiber Pigtail 12Colors



Pigtail
LC-OS2-12Colors



Pigtail
LC-OS2-Bunch-12Colors



Ordering Information

Code		Type		Fiber		Cable Type		Material		Length	
PG	12LC	12xLC	12xLC/UPC	SM	OS2	09	0.9mm	Z	LSZH	010	1 Meter
	12LCA	12xLC	12xLC/APC	OM1	OM1	09B	0.9mm Bunch	R	OFNR-LSZH	1P5	1.5 Meter
	12SC	12xSC	12xSC/UPC	OM3	OM3						
	12SCA	12xSC	12xSC/APC	OM4	OM4						
				OM5	OM5						

Ex) PG-12LC-SM-09Z-1P5 : FO Pigtail, 12LC/UPC-SM-0.9mm-LSZH-1.5 Meters, 12 Colors

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