



Ultra HDCi® MLX4 MPO/MTP® Cassette Module

Ultra HDCi® MPO/MTP® cassette modules designed and manufactured for the transition between MPO/MTP® and SN® connectors. They can be mounted on 1U, 2U, 3U or 4U 19" rack mounted chassis.

These cassette modules are used to interconnect connect MTPMPO backbone cabling with SN® patching. They contain factory tested and terminated MPO/MTP® to SN® fanouts with low loss and reliable results.

The Ultra HDCi® MLX4 MPO/MTP® modules which are compatible with LX4 panel are designed for the transition between MPO/MTP® and SN® connectors. They have a small form factor design. They come with 6 low loss SN® 4CH (8F) flangeless adaptors on the front and 2 MTP® on the back side. They contain 100% factory terminated and tested SN® to MTP® fanouts.

The combination of LX4 panel and MLX4 cassette modules is an ideal solution for ultra high density applications. Their plug and play design meets all requirements for rapid deployment in high demand data centre environments.

Features

- Transition between MPO/MTP® multi-fibre connector and SN® adaptors
- Available with OM3, OM4, OM5, OS1/OS2 fibre types
- 6 low loss SN® 4CH (8F) flangeless adaptors on the front and 2 MTP® on the back side.
- Option for A, B or C polarity
- 100% factory terminated and tested
- High density solution – Up to 1152 fibres in 4U chassis
- Saves installation and reconfiguration time

Applications

- Data Centres
- Parallel optics applications
- Storage Area Network - Fibre Channel

Specifications

ELEMENT	CHARACTERISTIC
Fibre	OS1/OS2, OM3, OM4, OM5 (ISO/IEC 60793)
Adaptor config.	6 low loss SN® 4CH (8F) flangeless adaptors on the front and 2 MTP® on the back side.
Polarity	A (default), B or C
Terminations	MTP® Standard (12 Fibre Ferrule) MTP® Low Loss Elite (12 Fibre Ferrule) LC Standard LC Low Loss Premium
Connectivity Config.	2 x 24F
Storage Temperature	-20 ~ +60°C
Installation Temperature	-20 ~ +60°C
Operating Temperature	-20 ~ +60°C
Size	136*61*36mm

MTP® Connector Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MTP® Elite (MM)	0.10dB	0.35dB	N/A
MTP® (MM)	0.20dB	0.60dB	N/A
MTP® Elite (SM)	0.10dB	0.35dB	>60dB
MTP® (SM)	0.25dB	0.75dB	>60dB

SN® Connector Performance

PARAMETERS	MULTIMODE		SINGLEMODE		
	MM	UPC		APC	
		SN® Elite (SM)	SN® (SM)	SN® Elite (SM)	SN® (SM)
Typ. Insertion Loss *	0.05dB	0.05dB	0.08dB	0.07dB	0.12dB
Max. Insertion Loss *	0.15dB	0.15dB	0.20dB	0.15dB	0.25dB
Typ. Return Loss	≥25dB	≥55dB		≥65Db	
Operating Temperature (°C)	-40 to +75				
Durability	<0.2dB typical change, 500 matings				
Ferrule Ø	127µm		125µm		

* Per random mating testing IEC 61753-1

Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801 - cable
- IEC-61754-7 & EIA/TIA-604-5 - MPO/MTP®
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-61754-20 (LC) & IEC-61754-14 (SC)
- IEC-60793

Ordering Information

	Connectivity Config.		Connector A		Connector B		Fibre Type		Adaptor Configuration		Adaptor Count		Polarity	
OMLX4	4	2 x 24F	0	MTP® Male	9	SN® UPC	9	G.652.D	4	Quad	6	6	A	Polarity A
			4	MTP® Male Elite	10	SN® APC	3	OM3	4	Quad	6	6	B	Polarity B
			1	MPO Male	11	SN® UPC Elite	4	OM4	2	Duplex	8	12	C	Polarity C
			5	MPO Male Elite	12	SN® APC Elite	5	OM5	2	Duplex	8	12		

Example order code

OMLX4	-	4	0	09	9	46	-	A
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OptronicsPlus SN® to 2 x MTP® 24F Male MLX4 HDCi® Cassette Module with 6 SN® (SC Duplex footprint) Quad SM Blue Adaptors Polarity A

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