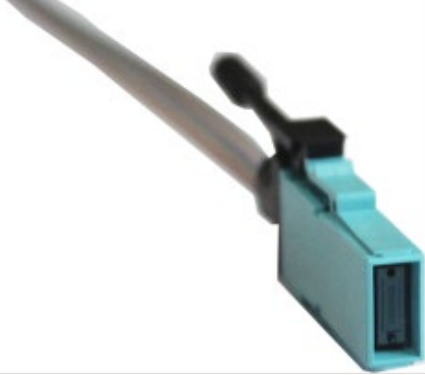
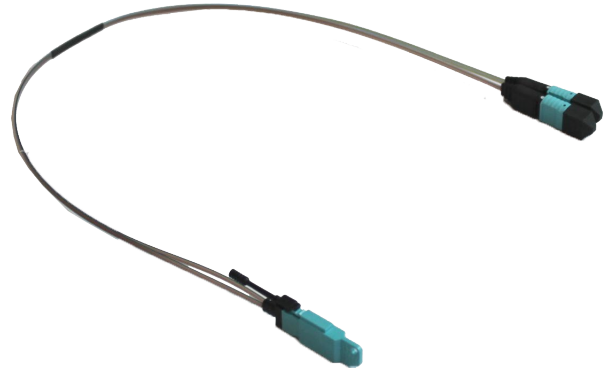


## MXC Cable Assemblies



MXC Plug



MXC Plug to MPO Cable

### Description

Neptec manufactures fully customized MXC cable assemblies using USConec's MXC® optical fiber connectors. The MXC® package is optimized for expanded beam PRIZM MT ferrules providing for a more robust and debris insensitive interface compared to traditional physical contact solutions. The MXC cable provide a versatile, cost effective, next generation connectivity solution optimized for direct interface to equipment densely populated with mid-board mounted, multimode or single mode optical modules.

### Features

- No Polish, Low Cost Termination
- Compact Size Providing High Density
- Low Insertion Force
- Expanded Beam Reduce Debris Sensitivity
- Minimal Cleaning and Inspection Required
- Optional AR Coating

### Applications

- High Performance Computing
- Switching/Routing Fabrics
- Switch to Server Interconnects
- Switch to Switch Interconnects

### Specifications

Parameter	Unit	Specification
Fiber Count	/	12 / 16 / 32 / 48 / 64
Fiber Type	/	Multimode
End A Connector Type	/	MXC Plug / MXC Receptacle
Insertion Loss (97%)	dB	≤1.2dB
Return Loss	dB	≥20dB
Jacket Type	/	Bare Ribbon / Round Jacket
Cable Diameter	mm	3.0 / 3.6 / 4.0 / 4.5 / 5.5
Operating Temperature	°C	-40 to + 75

## Order Information

Fiber Type (AA)	
M3	MM, OM3
M4	MM, OM4

End A Connector Type (CC)	
XP	MXC Plug
XR	MXC Receptable

Jacket Type (E)	
B	Bare Fiber
R	Round Jacket

Fiber Count (BB)	
12	12
16	16
32	32
48	48
64	64
CS	Customer Specify (Must ≤64)

End B Connector Type (DD)	
MF	MPO Female
MM	MPO Male
TF	MTP Female
TM	MTP Male
XP	MXC Plug
XR	MXC Receptable
LT	PRIZM LightTurn

Total Length	
01	1m
02	2m
03	3m
...	...
99	99m
CS	Customer Specify

