

PRIZM LightTurn Cable Assemblies



PRIZM LightTurn Connector



PRIZM LightTurn to MPO Cable

Description

PRIZM LightTurn connector is designed as a miniature detachable connector for board mounted parallel optic modules and high-density transceivers. PRIZM LightTurn (PLT) connector consists of a multi-fiber ferrule with a photonic turn TIR (Total Internal Reflection) Lens array accepting cleaved fibers with an accompanying connector housing.

Neptec offers PLT to PLT assemblies and PLT to MPO assemblies with multi-mode fiber, bare ribbon or jacketed. Customization is available upon request.

Features

- Customized Configurations for Any Application
- High Density Optical T/R modules on Circuit Boards
- Consistent Loss Across the Array
- Quick Termination and No polishing Required
- Collimated Light at Optical Interface

Applications

- Telecommunication
- Routers and Switches
- High Performance Computing
- High Speed Test Equipment
- IC Testing

Specifications

Parameter	Unit	Specification
Fiber Count	/	12 / 24 / 36 / 48
Fiber Type	/	Multimode
End A Connector Type	/	PRIZM LightTurn
Insertion Loss	dB	Typ. 0.5
Operating Temperature	°C	-40 to +75

Order Information

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

Fiber Count (BB)	
12	12
24	24
36	36
48	48

End B Connector Type (CC)	
00	None
MF	MPO Female
MM	MPO Male
TF	MTP Female
TM	MTP Male
LT	PRIZM LightTurn

Jacket Type (D)	
B	Bare Ribbon
R	Round Jacket
F	Flat Jacket

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

PLT	-	A	A	-	B	B	-	C	C	-	D	-	E	E
PLT	-			-			-			-		-		