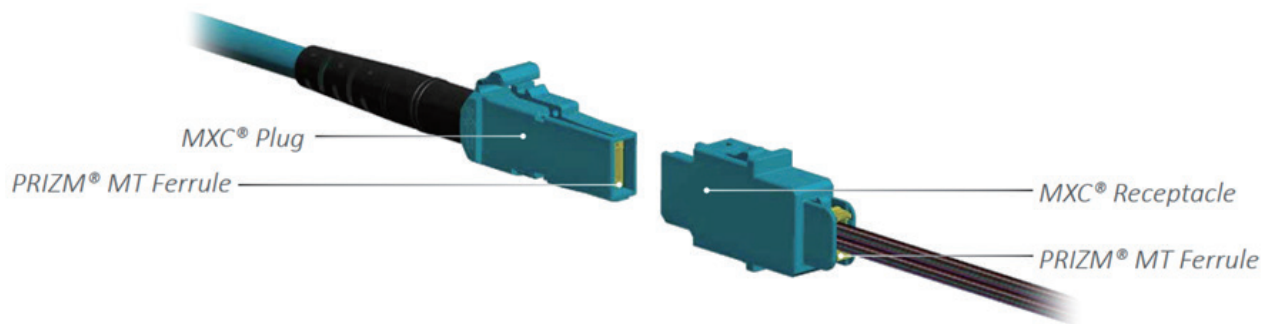


MXC Patch Cord



Description

The MXC patchcord is a high-density optical cable assembly designed for direct interface with mid-board optical modules in data center and HPC systems.

Based on expanded beam PRIZM® MT ferrule technology, it enables a non-contact, debris-insensitive interface, ensuring robust and reliable performance. Its compact design supports high-density, blind-mate connectivity for intra-rack and backplane applications.

Features

- Expanded beam PRIZM® MT ferrule for non-contact transmission
- Debris-insensitive interface for high reliability
- Integrated plug and bulkhead design (no separate adapter required)
- Reduced component count and simplified architecture
- Supports blind-mate connectivity for backplane applications
- Optional AR coating available
- 100% factory terminated and tested

Standard Compliance

- Telcordia GR-1435-CORE
- RoHS Compliant

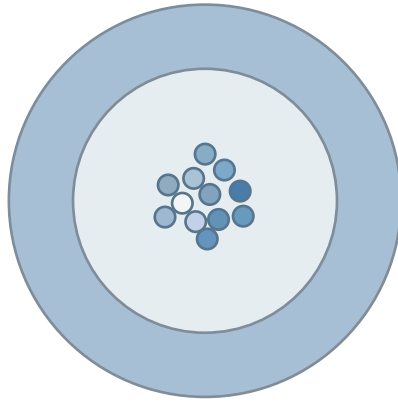
General Specification

Constructions	Descriptions
Fiber Mode	Multimode: OM2/OM3/OM4
Cable Type	Round Cable (φ3.0 mm-φ5.5 mm)
	Ribbon Fiber
Cable Jacket Material	Low Smoke Zero Halogen (LSZH)
	PVC
Cable Jacket Ratings	Riser (OFNR)
	Plenum (OFNP)
Cable Jacket Color	OM2: Orange
	OM3: Aqua
	OM4: Aqua/Magenta
	Customized
Polarity	Type A, Type B, Type C (TIA-568.3-D)
Connector Type	MXC Plug Type, MXC Receptacle Type
Connector Ferrule	16F/32F
Operating Temperature	-10 °C to + 60 °C
Storage Temperature	-40 °C to + 85 °C

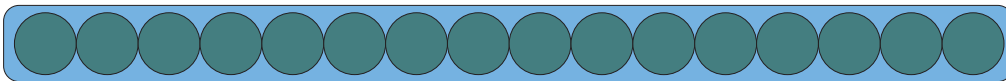
Technical Specification

Optical Properties	Multimode
Insertion Loss (dB)	≤ 1.20 (Typical: ≤0.9)
Return Loss (dB)	≥20
Wavelength (nm)	850

Cable Structure



Round cable Structure



Ribbon Fiber Structure