

MPO to MPO Trunk Cable

12F



Genius MPO to MPO Patch Cord is designed for high-density data center and backbone applications, delivering reliable high-speed optical connectivity. It supports parallel transmission for 40G/100G/400G networks with low insertion loss and high return loss performance. Manufactured with precision-polished ferrules and 100% factory tested to ensure superior quality and compliance with international standards. Ideal for Data Centres, Telecom Networks, and High-Bandwidth Enterprise Infrastructure

Key Feature

- Designed for low insertion loss and high return loss for MM applications
- LSZH jacket provides low smoke and zero halogen safety.
- Flame retardant design enhances fire resistance.
- Available in Standard Polarity B. Optionally Available in Polarity A & C
- Supports 8F to 24F and custom fiber counts.
- Optional pulling eye kit for easy installation.
- Suitable for 40G, 100G, and 400G applications
- RoHS Compliant
- Genius Network Brand Performance warranty for 25 Years

Product Specification

Parameter	Single Mode	Multi mode - OM4	Multi mode - OM5
Fiber Type	SM OS2	MM OM4	MM OM5
Capacity	12F	12F	12F
Gender Type	F to F / M to M / F to M	F to F / M to M / F to M	F to F / M to M / F to M
Cable Diameter	3 mm	3 mm	3 mm
Jacket Material	LSZH	LSZH	LSZH
Jacket Color	Yellow	Heather Violet	Lime Green
Connector Color	Yellow	Heather Violet	Lime Green
Boot Color	Black	Black	Black

Optical Specification

Parameter	Single Mode	Multi mode OM4	Multi mode OM5
Testing Wavelength	1310	850nm	850nm
Insertion Loss	≤0.60dB	≤0.60dB	≤0.60dB
Return Loss	≥ 50 dB	≥ 20 dB	≥ 20 dB

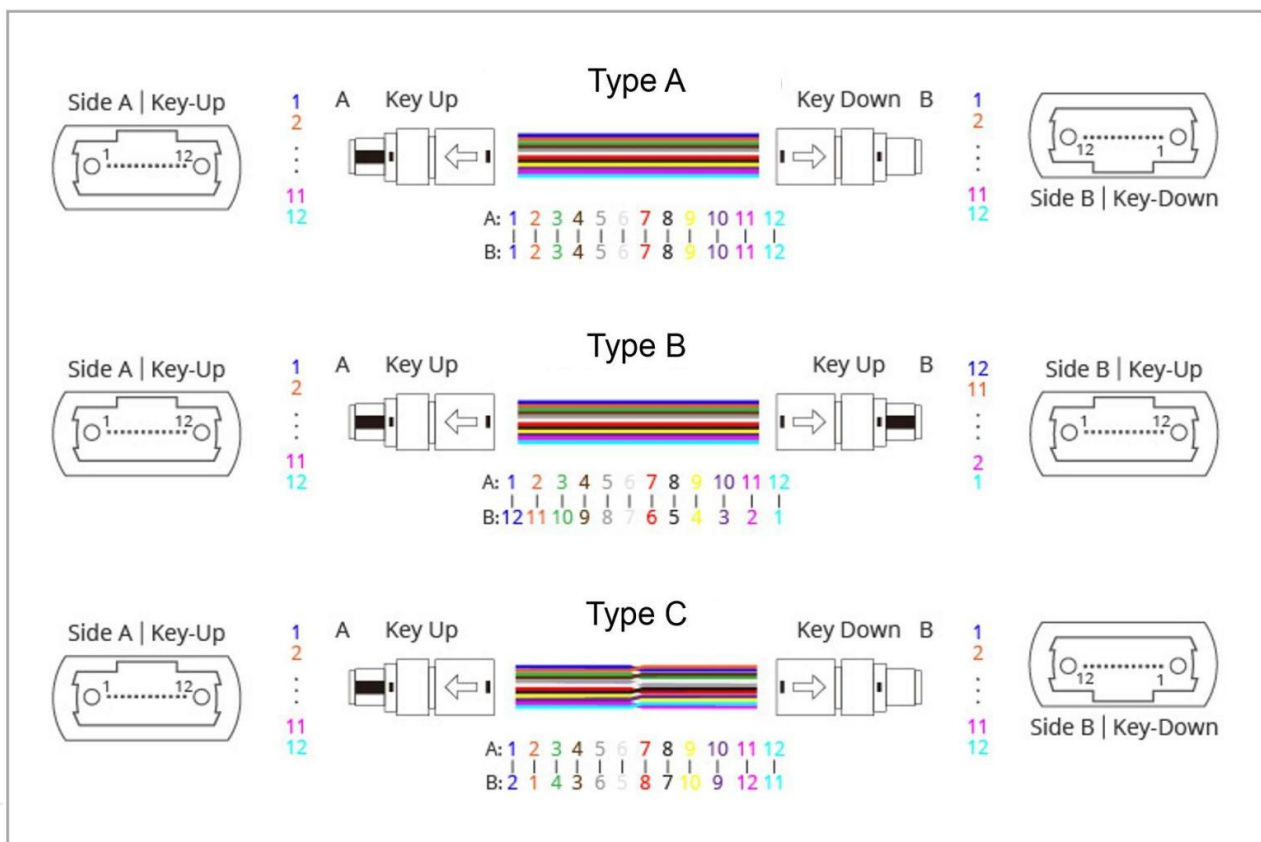
Environmental Specification

Operating Temperature	-20°C to +70°C
Storage Temperature	-20°C to +70°C
Installation Temperature	-20°C to +70°C

Standards, Compliances & Certifications

- RoHS Compliant
- Compliance with IEC 61754-7 for MPO Connector
- Compliance with IEC 61300-3-4 for Insertion Loss
- Compliance with Flammability Test - IEC 60332-1
- Compliance with Halogen Free - IEC 60754-1
- Compliance with Corrosion Proof - IEC 60754-2
- Compliance with Smoke Density Test - IEC 61034
- Compliance with Minimum concentration of oxygen - ASTM D2863

Polarity & Connection Diagram



Ordering Information

