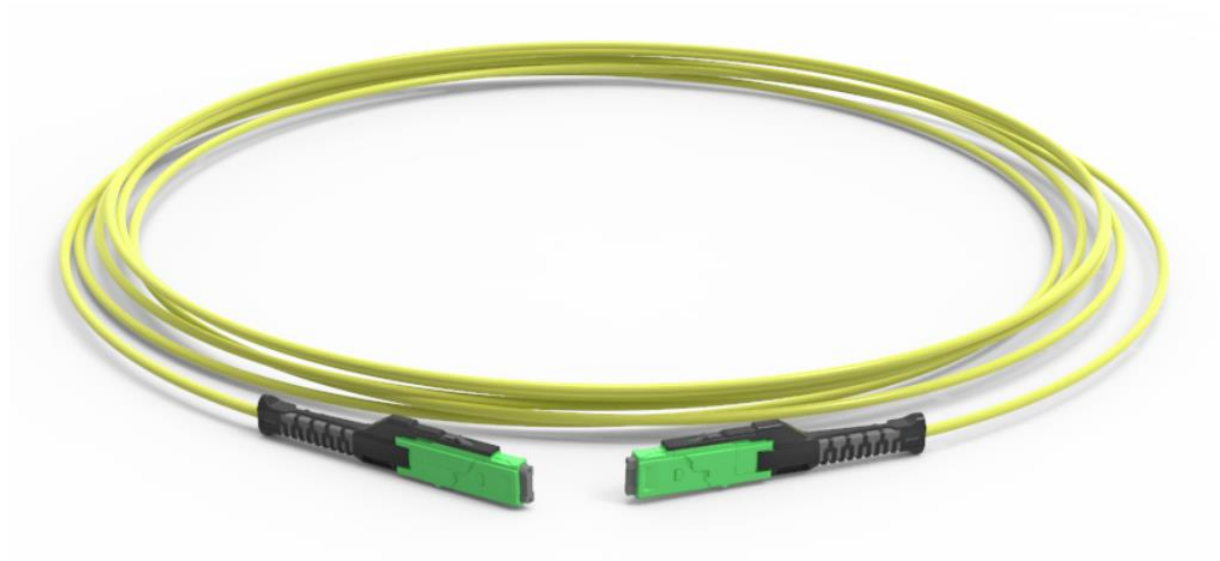


MMC Pre-terminated Truck Cable



Introduction

MMC connectors are designed to support higher fiber counts, the MMC system simplifies capacity upgrades for high-performance applications like hyperscale data centers. The compact form factor delivers up to three times the fiber density per rack unit when compared to MPO/MTP connectors. Providing higher cabling port density and low-loss performance in a compact design to support high-bandwidth applications.

Applications

- Data Centers
- Co-packaged Optics
- High bandwidth transceivers
- Maximum density, low-loss, pre-terminated cabling infrastructure
- On-board optics
- Structured cabling
- The internal connector application in fiber equipment

Features

- Low loss performance
- 3x cabling port density over the MPO format
- Compatible with 250, 200, and 165 micron fibers
- Push-pull boot for effortless connector insertion and extraction
- APC for both SM and MM applications
- 100% factory terminated and tested

- Supports cable ODs up to 2.5mm OD
- APC for both SM and MM applications

Standard Compliance

- GR-1435-CORE
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- InfiniBand Compliant

General Specification

Constructions	Descriptions			
Fiber Count	4~384 Fibers			
Fiber Type	Single mode: OS2/G.657 (9/125μm) Multimode: OM3(50/125μm),OM4(50/125μm)			
Fiber Brand	Corning SMF-28® Ultra fiber, Corning SMF-28® Contour Fit fiber Corning ClearCurve® multimode fiber			
Fire-resistance Ratings	Low Smoke Zero Halogen (LSZH) Riser (OFNR) Plenum (OFNP)			
Cable Jacket Color	SM: Yellow OM3: Aqua OM4: Aqua/Magenta or Customized			
Polarity	Ribbon flip, Ribbon straight or Customized			
Connector Ferrule	16F/ 24F			
Connector Type	Male; Female			
Connector Brand	US Conec			
Connector Color		SM(APC)	OM3	OM4
	Low Loss	Green	Green	Green
Connector Boot Color	Black			
Pulling eye	Customized			
Operating Temperature	-20°C to + 70°C			
Storage Temperature	-40°C to + 85°C			

Technical Specification

Optical Properties	Single mode	Multimode
Insertion Loss (dB)	Low Loss ≤0.35	Low Loss ≤0.35
Return Loss (dB)	APC ≥ 60	APC ≥ 35
Wavelength (nm)	1310/1550	850/1300
Fiber Attenuation (dB/km)	≤0.35 at 1310nm, ≤0.2 at 1550nm	≤2.3 at 850nm, ≤0.6 at 1300nm

Information and specifications are subject to change without notice.
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Transmission Distance	OM4: 150m at 40/100G, 550m at 10G
	OM3: 100m at 40/100G, 300m at 10G
Durability	≤0.20 dB Typical Change, ≥50 times (mating)