# **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

Information and specifications are subject to change without notice. Please visit www.china-tscom.com for more information

8 Jinxiu Middle Road, Pingshan, Shenzhen, Guangdong, 518118, P. R. China +86 755 32983688 | info@china-tscom.com | www.china-tscom.com



- 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 <sup>®</sup> Ultra fiber, Corning SMF-28 <sup>®</sup> 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. Please visit www.china-tscom.com for more information

8 Jinxiu Middle Road, Pingshan, Shenzhen, Guangdong, 518118, P. R. China +86 755 32983688 | info@china-tscom.com | www.china-tscom.com



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)		

