

### **C-16FMPO-8LC50M9SMF**

50m MPO/APC to 8xLC/UPC Yellow OS2 OFNR (Riser-Rated) 16-Strand SMF Fiber Patch Cable

#### **Features**

- MPO Female and LC Male Connectors
- 9/125 Patch cable
- Riser Rated
- 50m Length
- Yellow Jacket Color
- OS2 Rated
- MPO Insertion Loss:  $\leq 0.7\text{dB}$
- MPO Return Loss:  $\geq 60\text{dB}$
- LC Insertion Loss:  $\leq 0.2\text{dB}$
- LC Return Loss:  $\geq 50\text{dB}$



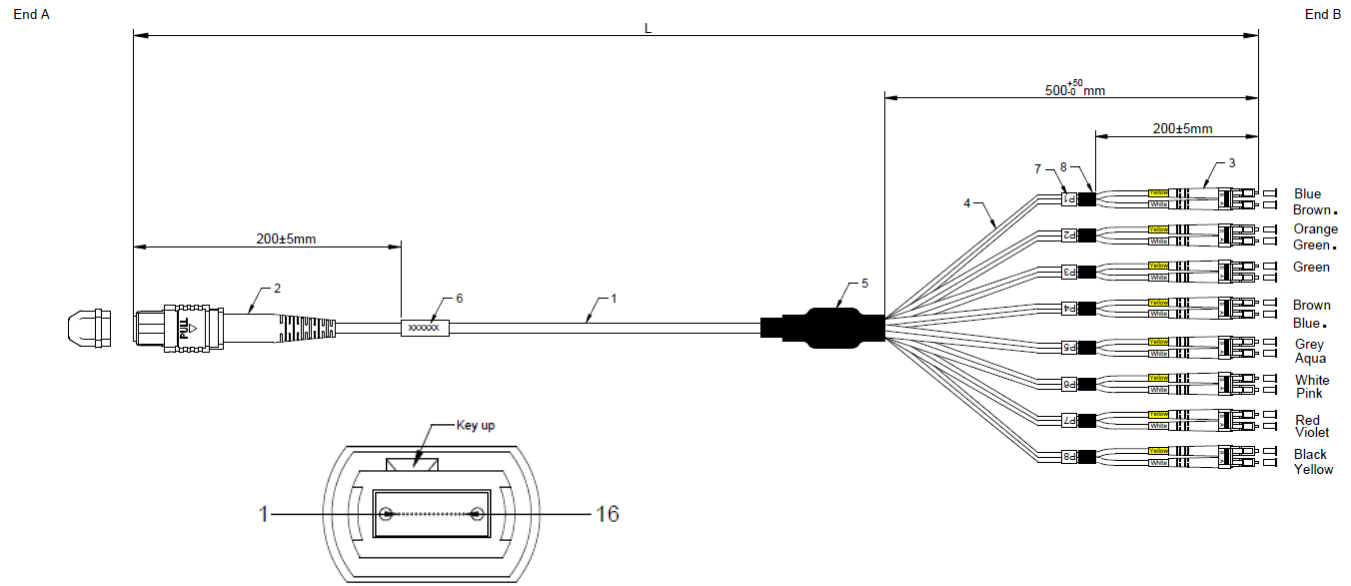
#### **Product Description**

This is a 50m MPO/APC to 8xLC/UPC Yellow OS2 OFNR (Riser-Rated) 16-Strand SMF Fiber Patch Cable. OS2 fiber optic cable is a high-performance single-mode fiber designed for long-distance data transmission, making it ideal for businesses requiring reliable and fast network connections over longer distances up to 200kilometers. With low signal loss and the ability to support 1G to 100G speeds, ensuring efficient communication across offices, data centers, or industrial facilities. OFNR riser fiber cable jackets are designed for vertical installations in building risers, providing fire-resistant protection to ensure safe data transmission between floors. These cables meet strict safety standards, making them ideal for businesses that need reliable, in-building network infrastructure without the risk of fire spreading through conduits. The Standard Boot option provides reliable and straightforward connections for fiber cables, making it an economical choice for various networking applications. Ideal for businesses that require dependable performance without the complexity, this option ensures consistent data transmission in everyday network setups. Our cables are TIA compliant, ensuring performance for all networking needs.

## General Specifications

Parameter	Specification
Environment	Indoor
Fiber Type	SMF
Connector	MPO-16 (Female) to 16xMPO (Male)
Color	Yellow
Shielded	No
Strand Count	16
Cable Mode	Multiple
Jacket Type	Riser
Termination Type	Crossover
Core/Cladding	9/125 $\mu$ m
Fiber Termination	APC - Angled Physical Contact
Polarity	Method B
Cable Type	OS2
Armored	No
Bend Insensitivity	G.657.A1
Connector 1 Ferrule Polish	APC (Angled Physical Contact)
Connector 2 Ferrule Polish	UPC (Ultra Physical Contact)
Insertion Loss Grade	Grade C
Fire Rating	Riser (OFNR)
Jacket Material	PVC (Polyvinyl Chloride)
Outer Diameter	3.0mm
Connector 1 Boot Style	Standard Boot
Connector 2 Boot Style	Standard Boot
Connector 1 Color	Green
Connector 2 Color	Blue
Insertion Loss	MPO $\leq 0.70$ dB LC $\leq 0.20$ dB
Return Loss	MPO $\geq 60$ dB LC $\geq 50$ dB
Cable Tolerance	
Cable Length <1m	5cm
1m $\leq$ Cable Length <15m	10cm
15m $\leq$ Cable Length <30m	15cm
Cable Length $\geq 30$ m	Cable Length* 1%

# Mechanical Specifications



Blue1	Orange2	Green3	Brown4	Grey5	White6	Red7	Black8	Yellow9	Violet10	Pink11	Aqua12	Blue13	Orange14	Green15	Brown16
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Item	Quantity	Specifications
1	A/R	Ø3.0mm, Single-mode 9/125 G657A1, 16 Fibers Single Jacket Micro Cable, PVC_OFNR, Color: Yellow
2	1	MPO/APC Female SM 16F Connector (Green Housing Black Boot)
3	8	LC/UPC SM Duplex 2.0mm Connector (Blue Housing 19mm Short White Boot)
4	A/R	OD: 2.0mm, Duplex Color: Yellow PVC/LSZH/OFNP
5	1	Fanout Kit
6	1	Serial Number Label
7	8	Cable Marker
8	8	Black Shrinkage Tube

## About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



## Contact Information

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