



## Features and Benefits

MIIM™ Fiber Optic patch cords are used to connect MIIM fiber panels within the MIIM System. MIIM patch cords incorporate a monitoring cable along with contact points on the patch cord connectors that activate the detection mechanism in the MIIM patch panel. When used with the rest of the MIIM system, the patch cords will provide connectivity information to the MIIM system.

- Robust duplex housings protect fibers
- Monitoring contact interfaces with MIIM fiber patch panels
- MIIM patch cords are constructed from two fibers contained in an outer jacket
- Standard jacket material is Low Smoke Zero Halogen (LSOH)
- Available in singlemode (OS1, OS2) and multimode (OM1, OM2, OM3, OM4) constructions

## Commercial Standards

ISO/IEC 11801:2002  
ANSI/TIA /EIA 568-C.3  
ICEA-596

*Pending Approvals*  
UL 1863

## Fire Propagation Tests

LS0H

## Technical Information

### Mechanical Characteristics

Connector Type: Duplex LC  
Durability: 500 insertions  
Cable Weight: 1m - 18g  
2m - 34g  
3m - 49g  
5m - 83g  
10m - 157g  
Temperature range:  
Installation: -20°C to 50°C  
Operation: -20°C to 50°C  
Storage: -50°C to 80°C

Nominal Outside Diameter:  
6 mm x 2.76 mm

Minimum Bend Radius:

Installation 4.1 cm

Long Term 2.8 cm

Maximum Long Term Tensile: 300 Nm

Number of Fibers Terminated: 2

Cable Assembly Length Tolerance:  
< 15 m = -0 +/-100 mm  
>15 m = -0 + 1%

Sheath Colors

62.5/125μ OM1: Orange

50/125μ OM2: Grey

50/125μ OM3: Aqua

50/125μ OM4: Aqua

9/125μ OS1: Yellow

9/125μ OS2: Yellow

### Electrical/Optical Characteristics

Maximum Insertion Loss:

OS1, OS2: 0.3 dB Maximum

OM1, OM2, OM3, OM4: 0.3 dB

Maximum

Return Loss:

OS1, OS2

UPC: > 50 dB Min

Multimode Fiber Specification

Fiber Type	ISO Class	Bandwidth (OFL)	"Maximum Attenuation (dB/km) (850nm / 1300 nm)
62.5 / 125μ	OM1	200 / 500	3.5 / 1.5
50 / 125μ	OM2	500 / 500	3.5 / 1.5
50 / 125μ	OM3	1500 / 500	3.5 / 1.5
50 / 125μ	OM4	3500 / 500	3.5 / 1.5

## MOLEX PREMISE NETWORKS

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## Singlemode Fiber Specification

Fiber Type	ISO Class	Bandwidth (OFL)	Maximum Attenuation (dB/km) (1300nm / 1500 nm)
9 / 125μ	OS1	N/A	1.0 / 1.0
9 / 125μ	OS2	N/A	0.4 / 0.4

## ORDERING INFORMATION

1m Order No.	2m Order No.	3m Order No.	5m Order No.	10m Order No.	Description
91.PP.6A2.00100	91.PP.6A2.00200	91.PP.6A2.00300	91.PP.6A2.00500	91.PP.6A2.01000	MIIM OFPC LC-LC Dup MM OM1 3MM, LSOH
91.PP.5A2.00100	91.PP.5A2.00200	91.PP.5A2.00300	91.PP.5A2.00500	91.PP.5A2.01000	MIIM OFPC LC-LC Dup MM OM2 3MM, LSOH
91.PP.3A2.00100	91.PP.3A2.00200	91.PP.3A2.00300	91.PP.3A2.00500	91.PP.3A2.01000	MIIM OFPC LC-LC Dup MM OM3 3MM, LSOH
91.PP.4A2.00100	91.PP.4A2.00200	91.PP.4A2.00300	91.PP.4A2.00500	91.PP.4A2.01000	MIIM OFPC LC-LC Dup MM OM4 2MM, LSOH
91.PP.8A2.00100	91.PP.8A2.00200	91.PP.8A2.00300	91.PP.8A2.00500	91.PP.8A2.01000	MIIM OFPC LC-LC Dup SM OS1 3MM, LSOH
91.PP.2A2.00100	91.PP.2A2.00200	91.PP.2A2.00300	91.PP.2A2.00500	91.PP.2A2.01000	MIIM OFPC LC-LC Dup SM OS2 2MM, LSOH

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