

### **ADD-LC-LC-5M9SMF**

5m LC (Male) to LC (Male) Yellow OS2 Duplex Fiber OFNR (Riser-Rated) Patch Cable

#### **Features**

- LC/LC connectors
- 9/125 Single-mode patch cable (yellow)
- Fiber optic distributed data interface (FDDI) rated
- OFNR Standard. LSZH, OFNP, PVC, and Plenum Available upon request.
- PC polishing type standard. APC available upon request
- Insertion Loss (Typical):  $\leq 0.5\text{dB}$
- Insertion Loss (Maximum):  $\leq 0.3\text{dB}$
- Return Loss (Typical):  $\geq 55\text{dB}$



#### **Product Description**

This is a 5m LC (male) to LC (male) yellow duplex riser-rated fiber patch cable. OS2 is a standard single-mode optical fiber commonly used with wavelengths of 1310nm and 1550nm (9/125 microns), and has a maximum attenuation of 1dB/km. The OS2 standard is defined in ISO/IEC 11801. This optical fiber, nonconductive, riser (OFNR) cable is best suited for use in interior fiber-optic applications. A duplex cable is a two-strand fiber optic patch cable that works best with transceivers that both transmit and receive. Our patch cables are 100% compliant for all of your networking needs. Our products are guaranteed by federal law to not affect or void OEM warranties.

## Specifications

Parameter	Specifications
Application	Patch
Cable Mode	Duplex
Color	Yellow
Connector	LC (Male) to LC (Male)
Core/Cladding	9/125µm
Fiber Termination	UPC - Ultra Physical Contact
Jacket Type	Riser
Length (ft)	16.4
Length (m)	5
Fiber Type	SMF
Standard	OS2
Strand Count	2
Media	Fiber
Termination Type	Straight

Type	Single-Mode		Multi-Mode	
Polishing	PC		APC	PC
Insertion Loss	≤0.2dB (Typical ≤0.1dB)			≤0.3dB/0.5dB (MTRJ)
Return Loss	≥45dB	≥55dB	≥60dB	≥35dB
Durability (500 Matings)			≤0.2dB Increase (Maximum)	
Operating Temperature	-20°C to 75°C			
Storage Temperature	-40°C to 75°C			

## About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is ingrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.



## U.S. Headquarters

Email: [sales@addonnetworks.com](mailto:sales@addonnetworks.com)

Telephone: +1 877.292.1701

Fax: 949.266.9273

## Europe Headquarters

Email: [salesupportemea@addonnetworks.com](mailto:salesupportemea@addonnetworks.com)

Telephone: +44 1285 842070