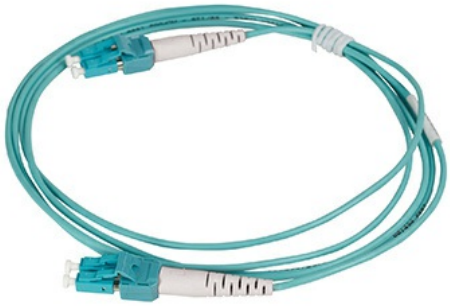
Ortronics

7M Yellow Infinium CORE LC to LC Duplex Patch Cord 2mm OS2 Plenum Yellow

Part No. L1-0101B2JYD0007M



Pre-Configured Infinium Fiber Patch Cords are built to exceed industry standards for quality, performance, insertion and return loss. Available in three performance tiers Infinium Quantum, Infinium Ultra, and Infinium Core. Each tier is available in Single-mode and Multimode. The most common configurations are setup for easy selection and purchase

Features & Benefits

Standard Loss System Integration: Designed to work as part of the Core Standard Loss System when paired with Core trunks and cassettes, helping maintain predictable, end-to-end multimode channel performance.

Factory-Tested Patch Cord Assemblies: Each patch cord is tested to a standard insertion loss of ≤0.50 dB, reducing performance variability and minimizing the need for troubleshooting in the field.

Flexible Polarity Design (A-B): Designed to pair with Universal Polarity Cassettes and support reconfiguration, reducing polarity errors and installation time.

Plenum-Rated 2mm Cable Construction: Suitable for installation in air-handling spaces and designed for durability and ease of handling during installation.

Optimized Single-Mode Channel Performance: Supports up to 2.5dB total channel connection loss and 26dB return loss, helping maintain signal integrity over longer distances.

Bulk Packaging for Deployment Efficiency: Bulk-pack configuration simplifies staging for large installations, reduces packaging waste, and supports faster, more organized deployments.

Bend-Insensitive OS2 Fiber: Maintains optical performance in tight routing paths and high-density rack environments.

Connector Protection with Pre-Installed Dust Caps: Helps protect connector end faces during storage and installation, reducing the risk of contamination-related signal loss.

Specifications

General Info

Product Line	Ortronics	Color	Yellow
Country Of Origin	Mexico	Product Type	Patch Cord
Compliance	RoHS	Features	Reversible Polarity
Connector Color	Blue	Application Sector	Commercial, Data Center
Standard	TIA-568.3-E	Warranty Type	5-Year

Boot Color	White

Dimensions

Product Length US	7.0 m	Cable Length	7 m
Outside Diameter	2 mm		

Technical Information

Fiber Optic Cable Type	OS2	Jacket Material	PVC (Polyvinyl Chloride)
Operating Temperature Min	14 °F	Storage Humidity	15-85% RH (Non-Condensing)
Jacket Application	Plenum Rated	Bend Radius	1.28 in
Simplex/Duplex	Duplex	Operating Temperature Max	122 °F
Cable Type	Fiber Optic	Jacket Rating	FT6 Rated, OFNP Rated
Cable Diameter	2 mm	Return Loss	55 dB
Single/Multimode	Single-Mode	Number of Fibers	2
Connector 2	LC Male	Connector 1	LC Male
Ferrule Diameter	1.25 mm	Performance Level/Tier	Core
Operating Temperature	-10°-50°C, 14°-122°F	Operating Humidity	0-90% RH (Non-Condensing)
Fiber Size	9/125	Maximum Insertion Loss	0.3 dB
Typical Insertion Loss	0.1 dB	Storage Temperature	5° - 140° F