





MULTIMODE DUPLEX FIBER OPTIC JUMPER BFXX-MD5-XX and BFXX-MD6-XX

A fiber-optic system is similar to the copper wire system. The difference is that fiber-optics use light pulses to transmit information down fiber lines instead of using electrical pulses to transmit information down copper lines. They span the long distances between local phone systems as well as providing the backbone for many network systems. Fiber optic networks operate at high speeds and have a large carrying capacity. Signals can be transmitted further without needing to be "refreshed" or strengthened. Fiber also has a greater resistance to electromagnetic noise.

Multimode fiber optic cable has a large-diameter core that is much larger than the wavelength of light transmitted, and therefore has multiple pathways of light-several wavelengths of light are used in the fiber core. Multimode cable comes in two different core sizes: 50 micron or 62.5 micron. The main difference between 50 micron and 62.5 micron is in bandwidth. 50 micron cable features three times the bandwidth of standard 62.5 micron cable, particularly at 850-nm. The 850-nm wavelength is becoming more important as lasers are being used more frequently as a light source. Duplex cable consists of two fibers, usually in a zipcord (side-by-side) style. Use duplex fiber optic cable for applications that requires simultaneous, bidirectional data transfer.

TOP FOUR MOST COMMON CONNECTORS			
	MTRJ A duplex connector with both fibers in a single polymer ferrule using pins for excellent core alignment and signal transfer.		LC A Lucent Technologies licensed connector that uses a 1.25mm ceramic ferrule and a snap in a connector for maximization of patch panel space and ease of installation.
	SC The most affordable connector in fiber uses a snap-in connector that latches with a simple push-pull motion for easy installation.		ST This connector has a spring loaded bayonet mount and a long cylindrical ceramic ferrule to hold the fiber, providing excellent performance and a solid connection.

Features:

- All corning glass
- Orange colored exterior
- Fully tested cables
- Test reports included

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