


# SYSTIMAX<sup>®</sup>

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## SOLUTIONS

### SYSTIMAX<sup>®</sup> LazrSPEED<sup>®</sup> 550 Fiber-Optic Patch Cords

The SYSTIMAX<sup>®</sup> LazrSPEED<sup>®</sup> fiber-optic patch cord family is configurable with standard LC, SC, and ST terminations, and is available in either 1.6 mm or 3.0 mm duplex zipcord. Using our new feature configuration ordering process for fiber patch cords, any length can be custom configured in either feet or meters, in increments of 1 foot or 1 meter, providing the ultimate in flexibility to meet any cabling infrastructure design.



At just 1.6 mm diameter the LazrSPEED LC cords are ideal for high-density applications. Test results by SYSTIMAX Labs per EIA/TIA 455 procedures and IEC 794 methods also show that the 1.6 mm cordage exceeds the requirements for larger diameter cordage. This smaller cordage allows at least twice as many fibers to be installed in a cabinet. The duplex cordage is 1.6 mm by 3.5 mm and has two single

fiber cords joined together with a web. LC Patch Cords greatly reduce congestion in shelves to help you save space and time when rearranging cabling. Pull-proof design helps prevent accidental disconnects and helps to assure optimal performance of your system. Custom hybrid patch cords are also available, to simplify your migration to industry-leading SYSTIMAX LC Connectors. All LazrSPEED fibers are Differential Mode Delay (DMD) tested. The SYSTIMAX Labs use a high-resolution test bench that exceeds the FOTP-220 standards and is independently certified by UL®.

#### Features and Benefits

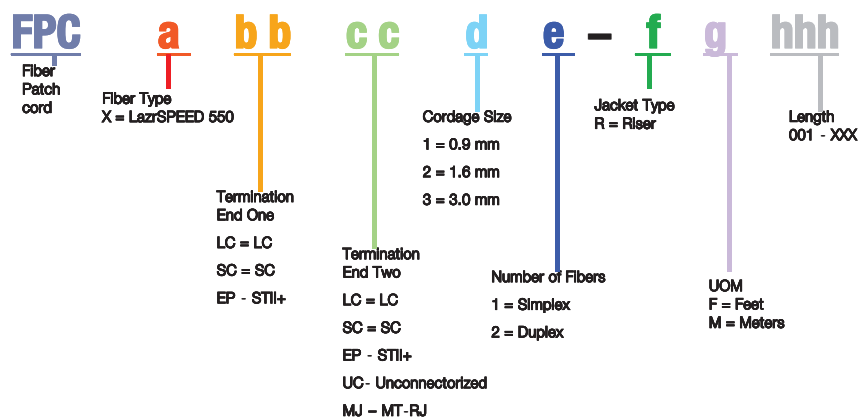
- Available 1.6 mm cordage makes these the smallest cords in the industry
- Double the density in panels/shelves/outlets, when configured with the LC connector
- Pull-proof connector designs prevent unintended disconnect
- Distinctive aqua color-coding for positive identification

SYSTIMAX<sup>®</sup> Structured Connectivity Solutions

## Physical Specifications

Minimum Bandwidth	@ 850 nm: 4700 MHz-km (laser), 3500 MHz-km (OFL) @ 1300 nm: 500 MHz-km (laser), 500 MHz-km (OFL)
Attenuation:	3.0 dB/Km @ 850 nm, 1.0dB/Km @ 1300 nm
Cable Outside Diameter:	Duplex: 1.6 x 3.7 mm
Min. Bend Radius:	2.5 cm
Operating Temperature Range:	-20 to 70 °C
Average Connection Loss:	LC = 0.1 dB
Return Loss Minimum:	-20 dB
Tip Material:	Ceramic
Mating Durability for:	500 Reconnects
Insertion Loss Change:	<0.2 dB
Temperature Stability:	-40 to + 75 °C
Insertion Loss Change:	<0.3 dB

## Ordering Information



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Example: FPCZLCLC22-RF007 = A 7 foot LC to LC, 1.6mm Riser Rated duplex zipcord

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