



SYSTIMAX® Solutions

InstaPATCH® Plus Connectivity Solution for Sun® SL8500

The ideal connectivity system for tape storage libraries

Why InstaPATCH® Plus for data center tape storage connectivity?



Giving data center managers the ideal integrated connectivity system solution: the SYSTIMAX® InstaPATCH® Plus for the Sun® StorageTek™ SL8500 Modular Library System.

Data center managers need high-performance infrastructure solutions to handle high-volume, business-critical hosting and backup needs. The essential nature of these applications require:

- extreme service reliability
- quick changes, additions and expansion
- high performance
- easy migration to future technologies
- high density
- long-term cost effectiveness, including installation, administration, scalability, warranty and maintenance

The SYSTIMAX® InstaPATCH® Plus Fiber system is designed to meet the following needs:

- handle data rates from 1 Gbps through 10 Gbps
- be quickly and efficiently reconfigured
- support multiple fiber connectivity types
- meet security, electromagnetic and environmental challenges
- be configured for high-density and to alleviate overcrowding in cabinets

InstaPATCH Plus connectivity solution for the Sun SL8500

CommScope® and Sun®, recognizing the benefits that this system provides for data center managers, have partnered to create a uniquely integrated solution for the Sun StorageTek™ SL8500 Modular Library System. This InstaPATCH Plus-enabled solution provides a number of advantages for data center managers, including:

- self-contained library connectivity, directly in an SL8500 bay
- each bay panel has a static frame and hinged bulkhead for easy accessibility
- 12 LC module supports up to 6 drives; 24 LC module supports up to 12 drives
- scalability to 144 ports (288 fibers) to support up to 64 drives
- single-mode and multimode modules accommodate mixed fiber types in drives
- trunk cables' round design reduce OD per fiber count, with no preferential bend issues
- trunk cables contain integrated strain relief and breakout is field-configurable
- cross-connect hardware can contain 144 ports (288 fibers) in one 4U shelf
- integrated trunk mounting with shelf and rack brackets

- provides a structured cabling system for equipment connectivity
- adds flexibility and reduces legacy issues with direct connect patch cords under floor
- less cable under floor improves air movement
- follows TIA/EIA 942 standards for cross connection points to the tape library

InstaPATCH Plus advantages

The advantages InstaPATCH Plus brings to this connectivity solution are myriad, including:

- up to 60% increase in bandwidth
- up to 96% installation time savings for 96 LC connections
- up to 50% space savings due to increased density
- supports LazrSPEED® 50 µm multimode, TeraSPEED® zero water peak single-mode and OptiSPEED® 62.5 µm multimode fiber applications
- all modules are based on LazrSPEED 300, TeraSPEED and OptiSPEED fibers to provide headroom for future system upgrades
- 12-fiber MPO connector-based modular design for simple connections
- automatic shutter for LC adapters
- easy reconfiguration for moves, adds and changes
- factory terminated and tested for instant field connections with guaranteed quality and performance
- developed by CommScope labs and backed by the best-in-industry SYSTIMAX warranty

The combination of InstaPATCH Plus and the SL8500 makes for an ideal, cost-effective solution for data center tape storage libraries, with low-maintenance hardware and headroom and flexibility for future expansion and reconfiguration.

Product ordering and configuration

Step 1 : Choose the Modular Shelf

MODULAR SHELVES, INSTALLED AT CROSS-CONNECT

Material ID	Description	Product Code
760066084	1U internal sliding shelf, supports three DM2 modules (not included)	600G2-1U-IP-IS
760013458	InstaPATCH 1U modular panel, support three DM2 modules (not included)	MP-1U
760055475	1U fixed shelf, supports three DM2 modules (not included)	600G2-1U-IP-FX
760055467	1U sliding shelf, supports three DM2 modules (not included)	600G2-1U-IP-SD
760066332	2U sliding shelf, supports six DM2 modules (not included)	600G2-2U-IP-SD
760026245	4U sliding shelf, supports 12 DM2 modules (not included)	1000G2-4U-IP-SD
760050872	4U fixed shelf, supports 12 DM2 modules (not included)	1000G2-4U-IP-FX
760016063	Blank panel for MP-1U and G2-IP shelves, black, six pack	Blank Panel
760058651	Shelf mount bracket, supports up to eight 48-144 fiber trunks mounted to one 1000G2 shelf	SMB-8-1/2
760058685	Rack mount bracket, supports up to six 12 or 24 fiber trunks mounted to rack	RMB-6-3/8



600G2-1U-IP-IS Shelf

Step 2 : Choose the Bay Panel

BAY PANEL, INSTALLED IN REAR OF SUN SL8500

Material ID	Description
760090902	Bay panel supporting 12 InstaPATCH modules and up to 20 12- or 24- fiber trunks, or eight 48-144 fiber trunks

Step 3 : Choose the Modules

FACTORY TERMINATED MODULES, INSTALLED AT LIBRARY AND CROSS-CONNECT

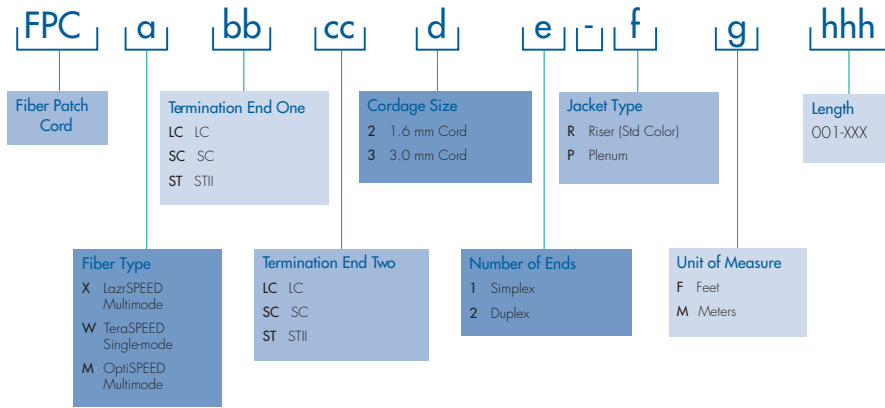
Material ID	Description	Product Code
760039685	LazrSPEED Multimode LC-MPO 24 fiber	DM2-24LC-LS
760044818	OptiSPEED Multimode LC-MPO 24 fiber	DM2-24LC-MM
760039701	TeraSPEED Single-mode LC-MPO 24 fiber	DM2-24LC-SM
760039727	LazrSPEED Multimode LC-MPO 12 fiber	DM2-12LC-LS
760044826	OptiSPEED Multimode LC-MPO 12 fiber	DM2-12LC-MM
760039743	TeraSPEED Single-mode LC-MPO 12 fiber	DM2-12LC-SM



DM2-24LC-LS Module

Step 4 : Choose Fiber Patch Cords

FIBER PATCH CORDS, INSTALLED AT CROSS-CONNECT EQUIPMENT



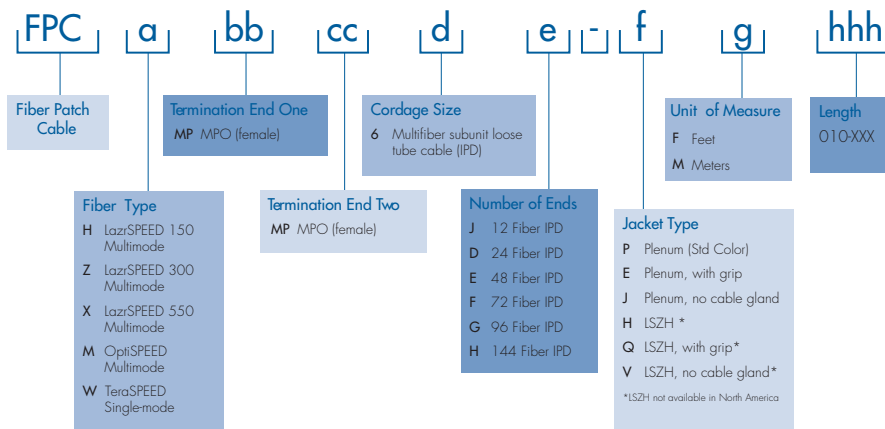
(Note: LC to ESCON hybrid patch cords with OptiSPEED also available as special order, contact your CommScope representative.)



**TeraSPEED Patch Cord LC-SC
1.6mm Duplex FPCWLCSC22**

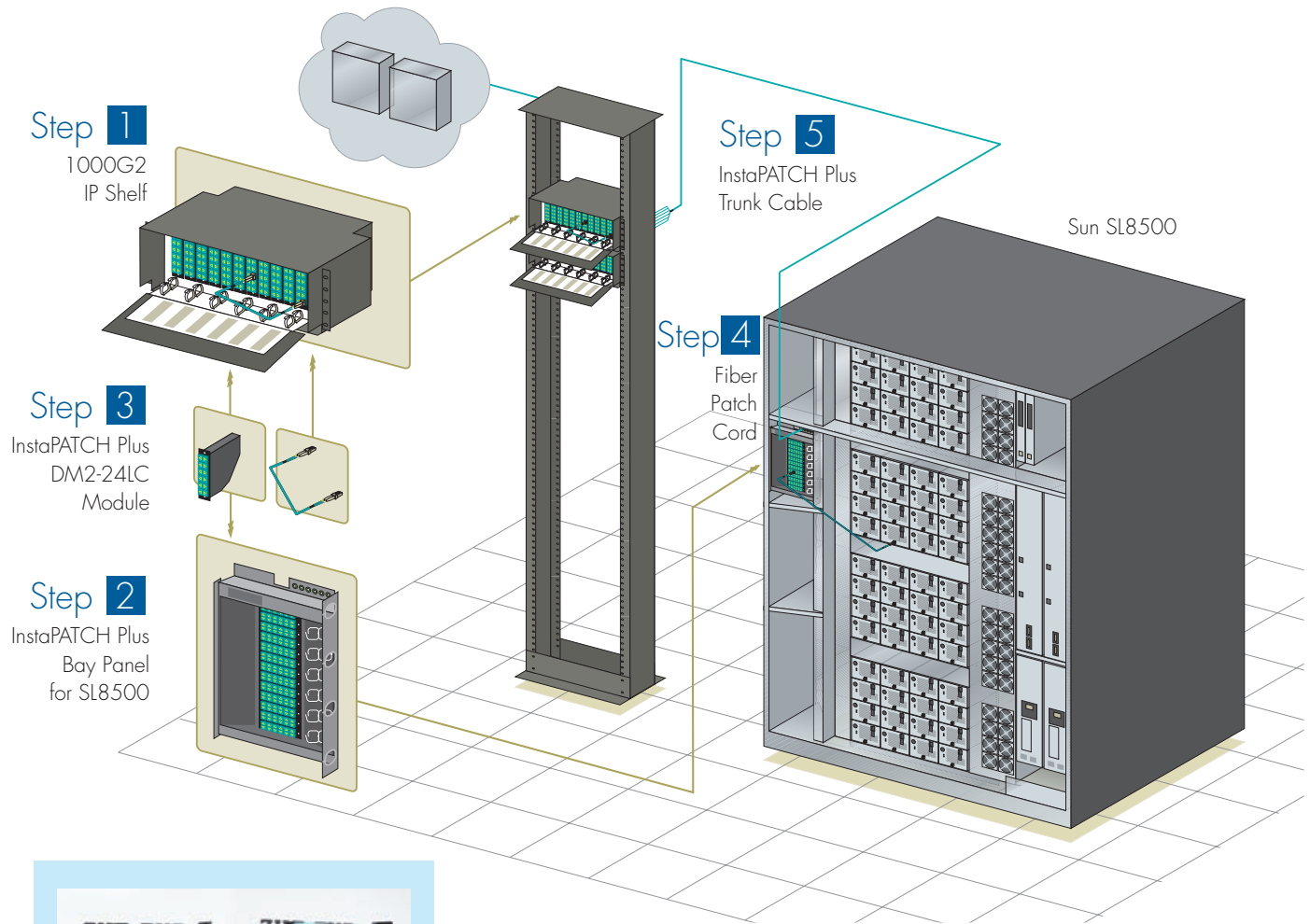
Step 5 : Choose Trunk Cables

PRE-TERMINATED INSTAPATCH-IPD TRUNK CABLES



**LazrSPEED 300 Trunk Cable 72
Strand MPO(f)-MPO(f) Plenum
FPCZMPMP6F-PFxxx**

Main Cross-connect



Easy-access Bay Panel makes connectivity simple:

- trunk cables enter bay from front into static frame
- trunk cables remain stationary
- bay is hinged at bulkhead on right, keeping patch cords close to frame
- trunk cable break-out from cable gland to modules
- cable gland is accessible when bulkhead is opened

The combination of InstaPATCH® Plus and the SL8500 makes for an ideal, cost-effective solution for data center tape storage libraries.

InstaPATCH® Plus at a glance:

- pre-terminated hardware
- pre-terminated backbone trunk cables
- standard fiber patch cords
- easy installation and system maintenance
- future upgrade paths to parallel connectivity
- no special polarity requirements
- four-orientation labeling system
- supports a range of connector types and fiber speeds



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