9490-OS Series
Fiber Optic Passive Splitters
Installation Instructions

This manual provides safety and installation instructions for the 9490-OS Fiber Optic Passive Splitters. All units use type LC connectors and vary only in the splitting fan-out, and as single or dual-channel capability as listed below. All units are entirely passive and require no frame power or communications.

9490OS-1X2-LC Optical 1x2 Splitter (LC connectors)

9490OS-D1X2-LC Dual Optical 1x2 Splitter (LC connectors)

9490OS-1X4-LC Optical 1x4 Splitter (LC connectors)

9490OS-D1X4-LC Dual Optical 1x4 Splitter (LC connectors)
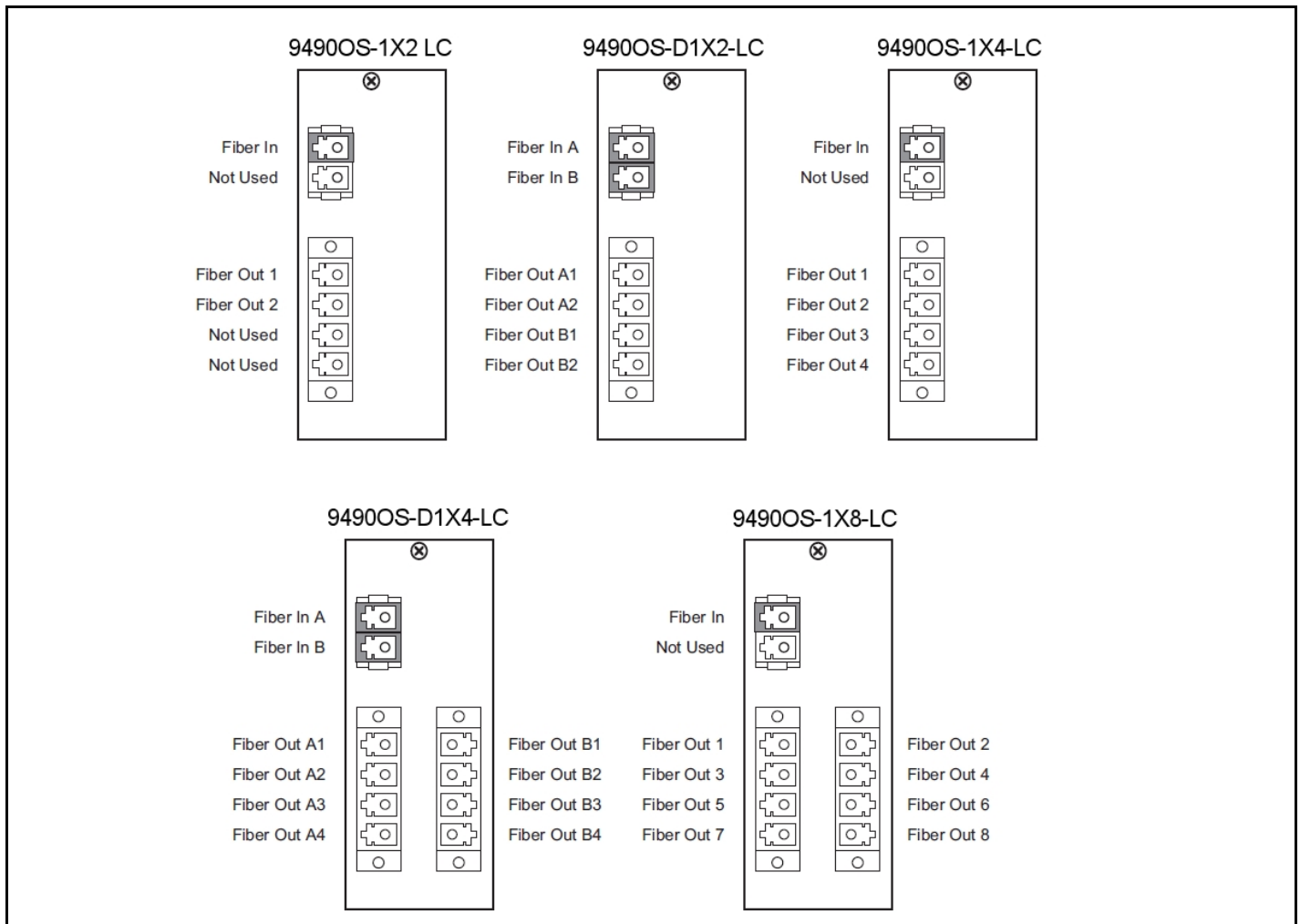
9490OS-1X8-LC Optical 1x8 Splitter (LC connectors)

Laser Safety Instructions and Notices

• Do not look into fiber cable ends or connectors.

• Only trained and authorized personnel shall be permitted to perform laser/fiber optic installation and/or maintenance.

9490-OS Rear Module Connections

Unit Installation and Rear I/O Module Connections

Install the splitter unit and connect fiber cabling as described below.

1. Install the rear module in the desired 20-slot frame slot pair (each splitter unit and its rear module occupies 2 card slots).

2. Install the splitter unit in the frame to mate with the rear module.

3. Remove protective caps on couplers and install cable onto connectors.

Please see other side

Item	Characteristic
Part number and nomenclature	**9490OS-1x2-LC** Optical 1x2 Splitter (LC connectors only). Includes type LC connector Rear I/O Module. **9490OS-D1x2-LC** Dual Optical 1x2 Splitter (LC connectors only). Includes type LC connector Rear I/O Module. **9490OS-1x4-LC** Optical 1x4 Splitter (LC connectors only). Includes type LC connector Rear I/O Module. **9490OS-D1x4-LC** Dual Optical 1x4 Splitter (LC connectors only). Includes type LC connector Rear I/O Module. **9490OS-1x8-LC** Optical 1x8 Splitter (LC connectors only). Includes type LC connector Rear I/O Module.
Wavelength Range	1260nm to 1650nm
Return Loss (minimum)	50 dB

Insertion Loss (maximum, per output channel)
  9490OS-1x2, 9490OS-D1x2:
  9490OS-1x4, 9490OS-D1x4:
  9490OS-1x8:
	
	4 dB
	8 dB
	11 dB

Uniformity
  9490OS-1x2, 9490OS-D1x2:
  9490OS-1x4, 9490OS-D1x4:
  9490OS-1x8:
	
	0.4 dB
	0.6 dB
	0.8 dB

Directivity	55 dB
Frame Slot Usage	2 per unit
Connector Type	Single Mode, Type LC/UPC

9490-OS-LC Specifications