LightSystem is a complete end-to-end fiber optic solution that is ideal for companies that do not yet require a 10 Gigabit backbone, but still need a high-performance system that can support Gigabit Ethernet applications.
JUMPERS AND PIGTAILS:
Siemon offers a comprehensive line of LightSystem fiber jumpers for connecting fiber links. Each terminated connector is optically tested, so you can be assured that 100% of Siemon-built cable assemblies meet stringent performance specifications.

- **Robust Performance** — Ensures robust 1 Gigabit Ethernet transmission
- **Standard Lengths** — Jumpers available in 1, 2, 3, and 5 meter standard lengths
- **Easy Identification** — Connectors color-coded per ANSI/TIA/EIA-568-B.3
- **Dust Caps** — Dust caps included to protect polished ferrule from dirt and damage
- **Polarity Correction** — SC duplexing clip allows for polarity reversal
- **Durable** — Exceeds TIA/EIA and ISO/IEC requirements for aging, exposure to humidity, temperature extremes, impact, vibration, coupling strength, and cable resistance to stress and strain
- **Multimode and Singlemode** — 50/125 or 62.5/125µm multimode and singlemode assemblies available
- **Pigtails** — Available in 1 meter lengths

CONNECTORS:
Siemon connectivity utilizes ceramic ferrules in conjunction with our LightSpeed® Termination Kits to deliver superior quality and optical performance.

- **Color Coding** — SC outer housing and connector body are color-coded in accordance with ANSI/TIA/EIA-568-B.3 and ISO/IEC 11801:2002
- **Standards Compliant** — Meets TIA and ISO Fiber Optic Connector Intermateability specifications
- **Strain and Bend Relief Boots** — Provide improved plug-to-cable retention and maximum performance by preventing fiber deformation caused by mechanical strain
- **Simplex** — Connectors terminate buffered fiber and help maintain proper bend radius requirements in tight spaces
- **Superior Performance** — When terminated using Siemon’s LightSpeed Termination Kit, LC and SC connectors significantly exceed TIA and ISO performance specifications
- **Small Form Factor** — LC connectors are about half the size of SC connectors, providing significantly greater density

FIBER MANAGEMENT ENCLOSURES & ACCESSORIES:
Siemon fiber enclosures are designed for enhanced management of high density fiber connections. With multiple sizes, configurations and features, they support a wide range of fiber management needs with exceptional ease of use. They are compatible with an array of Siemon Quick-Pack™ adapter plates.

- **Maximum Capacity** — Rack Mount Interconnect Centers (RIC3) and Fiber Connect Panels (FCP3) enable a maximum amount of fibers to be patched or patched and spliced in a 1, 2, 3 or 4 RMS enclosure without compromising accessibility. This allows more efficient utilization of rack space
- **Flexible** — The combination of Siemon enclosures and easily installed Quick-Pack adapter plates create a wide array of possible configurations
- **Quick-Pack Adapter Plates** — Can be inserted or removed with a single finger for quick and easy access to fiber connections
- **Removable Tray** — The RIC3 and FCP3 cable management trays are removable from the front or rear of the enclosure, allowing the tray to be moved to a work table for more convenient loading
Siemon streamlines fiber installation and termination with its fiber Plug and Play system. This system reduces the labor and logistics of standard fiber installations by providing a pre-terminated, pre-tested multimode fiber optic connection system.

**FIBER CABLE:**
Siemon’s LightSystem 50 and 62.5 multimode fiber cables are perfectly suited for the support of Gigabit Ethernet and Fast Ethernet applications at all horizontal work stations, riser, and short length backbone locations. Siemon’s singlemode optical fiber cable is perfectly suited for the support of extended distance 10 Gigabit Ethernet (>550m) applications as well as emerging applications, such as 40 Gb/s Synchronous Optical Network (SONET), that will operate at speeds beyond 10 Gb/s.

**WORK AREA ACCESSORIES:**
Bring the performance of Siemon’s LightSystem fiber optic system to the work area with our comprehensive line of faceplates, enclosures, surface mount boxes and adapters.

**PLUG & PLAY:**
Siemon’s LightSystem ® Fiber Optic System

**VERSATILITY —** MAX® adapters support SC and LC connector types

**FLEXIBILITY —** MAX adapters are compatible with all MAX faceplates and surface mount boxes

**DENSITY OPTIONS —** Siemon Fiber Outlet Box (FGB2) supports up to 12 fibers for optimal support of fiber to the work area. Additional fiber outlets can be mounted in the faceplate if needed

**QUICK CONNECTIONS —** Are completed by plugging MPO connectors into Plug and Play modules, which can be snapped into wall or rack mount enclosures

**FACTORY TERMINATIONS —** Significantly reduce labor costs during installation and ensure high performance and reliability of the installed system

**MULTIPLE INTERFACES —** SC connections are available for standard density installations, while LC connections are available for high density installations

**TURN-KEY SOLUTION —** No connector, termination kits or consumables required

**CABLE REELS —** A cable pulling eye on one end protects fiber during installation

**CONSTRUCTION —** 900µm tight buffer and 250µm coated optical fiber

**LENGTH MARKINGS —** In 0.61m (2 ft.) increments

**MATERIAL —** Available in OFNR and OFNP constructions

**STANDARDS COMPLIANT —**

**WWW.SIEMON.COM**
**LightSystem® Fiber Optic System Products**

**JUMPERS AND PIGTAILS**

Multimode Duplex Jumpers:
- FJ2-SC/MM-(XX)  50/125µm, singlemode SC to SC fiber optic cable, OFNR, 2 fibers per tube, HI-CL polymer boot, 24 fibers, 1 tube of 24 fibers, black adapters
- FJ2-SC/MM-(XX)  50/125µm, singlemode SC to SC fiber optic cable, OFNR, 4 fibers per tube, HI-CL polymer boot, 6 tubes of 4 fibers, black adapters
- FJ2-LC/MM-(XX)  62.5/125µm, singlemode LC to LC fiber optic cable, OFNR, 2 fibers per tube, HI-CL polymer boot, 12 fibers, 1 tube of 12 fibers, black adapters
- FJ2-LC/MM-(XX)  62.5/125µm, singlemode LC to LC fiber optic cable, OFNR, 4 fibers per tube, HI-CL polymer boot, 4 tubes of 4 fibers, black adapters

Multimode Simplex Pigtails:
- FP1-MM-01  125µm, singlemode MM pigtail, OFNR, SC to SC, 1000 meters (3280 feet), black adapters
- FP1-MM-01  125µm, singlemode MM pigtail, OFNR, LC to LC, 1000 meters (3280 feet), black adapters
- FP1-MM-01  125µm, singlemode MM pigtail, OFNR, SC to LC, 1000 meters (3280 feet), black adapters

Singlemode Duplex Jumpers:
- FJ2-SC/MM-(XX)  62.5/125µm, singlemode SC to SC fiber optic cable, OFNR, 2 fibers per tube, HI-CL polymer boot, 24 fibers, 1 tube of 24 fibers, black adapters
- FJ2-SC/MM-(XX)  62.5/125µm, singlemode SC to SC fiber optic cable, OFNR, 4 fibers per tube, HI-CL polymer boot, 6 tubes of 4 fibers, black adapters

**CONNECTORS**

SC Simplex Connectors:
- FC1-SC-MM-01  SC simplex connector, multimode SC fiber optic cable, OFNR, SC to SC, 1000 meters (3280 feet)
- FC1-SC-MM-01  SC simplex connector, multimode SC fiber optic cable, OFNR, SC to SC, 1000 meters (3280 feet)

LC Simplex Connectors:
- FC1-LC-MM-01  LC simplex connector, multimode LC fiber optic cable, OFNR, LC to LC, 1000 meters (3280 feet)
- FC1-LC-MM-01  LC simplex connector, multimode LC fiber optic cable, OFNR, LC to LC, 1000 meters (3280 feet)

**FIBER MANAGEMENT ENCLOSURES & ACCESSORIES**

Fiber Connect Panel (FCP3):
- FCP3-6BB-01  6-port Fiber Connect Panel, with sliding tray, includes mounting brackets, housing/tray, fiber managers, grommets, label holders and labels, black
- FCP3-6BB-01  6-port Fiber Connect Panel, with sliding tray, includes mounting brackets, housing/tray, fiber managers, grommets, label holders and labels, black

Flat Quick-Pack® Adapter Plates:
- RIC-F-SC6-01  6 simplex SC adapters (6 fibers), black adapters
- RIC-F-SC6-01  6 simplex SC adapters (6 fibers), black adapters
- RIC-F-LC6-01  6 duplex LC adapters (12 fibers), black adapters
- RIC-F-LC6-01  6 duplex LC adapters (12 fibers), black adapters
- RIC-F-CLC6-01  6 quad LC adapters (16 fibers), black adapters
- RIC-F-CLC6-01  6 quad LC adapters (16 fibers), black adapters
- RIC-F-CL6-01  6 quad LC adapters (16 fibers), blue adapters
- RIC-F-CL6-01  6 quad LC adapters (16 fibers), blue adapters
- RIC-F-CLC4-01  6 quad LC adapters (24 fibers), blue adapters
- RIC-F-CLC4-01  6 quad LC adapters (24 fibers), blue adapters

**PLUG AND PLAY**

Plug and Play Modules:
- PP12-SC/MM-01  12-port, SC Plug and Play module, black
- PP12-LC/MM-01  12-port, LC Plug and Play module, black
- PP24-LC/MM-01  24-port, LC Plug and Play module, black

Plug and Play Module Reel & Extender System with Pulling Eye:
- FR12-X/MM-(XX)  12-fiber, fiber optic cable extender, 12-fiber, with adapter
- FE12-X/MM-(XX)  12-fiber, fiber optic cable extender, 12-fiber, with adapter

Use (X) to specify fiber type: 0 = 50/125µm, 6 = 62.5/125µm

**FIBER OPTIC INDOOR DISTRIBUTION CABLE**

- Singlemode, Yellow Jacket:
  - 9FBX-8B-XXXX 6 fibers, 1 tube of 6 fibers
  - 9FBX-12D-XXXX 12 fibers, 1 tube of 12 fibers
  - 9FBX-24B-XXXX 24 fibers, 4 tubes of 6 fibers

- Multimode, Orange Jacket:
  - 9FX12B-XXXX 6 fibers, 1 tube of 6 fibers
  - 9FX12D-XXXX 12 fibers, 1 tube of 12 fibers
  - 9FX24B-XXXX 24 fibers, 4 tubes of 6 fibers

Use (X) to specify module color: 01 = black, 02 = white, 03 = light ivory

**WORK AREA**

**Fiber Outlet Box (FOB):**
- FOB2-XXXX Includes base, cover, designation labels, clear label covers, mounting hardware, cable ties, icons, and three blank bezels
- FOB2-GRD-XXXX Includes base, extended cover, designation labels, clear label covers, mounting hardware, cable ties, icons, and three blank bezels

Use (XX) to specify color: 01 = black, 02 = white, 03 = light ivory, 04 = gray, 20 = ivory, 05 = bright white

**Fiber Outlet Box Bezel:**
- FOB-BZL-XXXX-01  6-port fiber extender, 12-fiber, with adapter
- FOB-BZL-XXXX-01  12-port fiber extender, 12-fiber, with adapter
- FOB-BZL-XXXX-01  24-port fiber extender, 24-fiber, with adapter

Use (XX) to specify bezel color: blank = beige, 01 = black, 02 = white, 03 = light ivory

**MAX® Modular Faceplates:**
- MX-F-SC-XXXX  6 fibers, 1 tube of 6 fibers
- MX-F-SC-XXXX  12 fibers, 1 tube of 12 fibers
- MX-F-SC-XXXX  24 fibers, 4 tubes of 6 fibers

Use (XX) to specify module color: 01 = black, 02 = white, 03 = light ivory

For additional information: Visit our web site at www.siemon.com

For related product information request Spec Sheet(s):
- LightSpeed® Fiber Termination Kit (PROD-SS-FTK)
- Fiber Trunk Assemblies (PROD-SS-FIBERTRUNK)
- Fiber Connect Panel (FCP3) (PROD-SS-FCP3)