Tyco Electronics
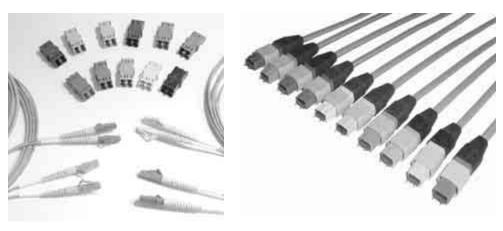
Expanded SECURE Connector Product Line Includes MPO and LC Interfaces

Ten variants in ten colors offered in two new interfaces

Tyco Electronics has expanded its SECURE connector product offering to include both MPO and LC interfaces. Through the use of ten different color/key variations, customers operating multiple networks in common areas can physically segregate their network throughout the system, from the backbone to the equipment panel.

Primary colors and keys are available in red, blue, yellow and green, with additional, secondary options for up to ten different color/keying configurations. Only connectors and adapters of the same color will intermate, and no standard product can plug into a secure adapter.

The LC SECURE product is compatible with both jack-

eted and buffered fiber. It is available in both LIGHTCRIMP PLUS and standard epoxy/polish styles for singlemode and multimode fibers. Each connector features a color-coded key that will only mate with like-colored adapters to minimize connection to the wrong networks. Standard colors include red, blue, green and yellow. An additional six colors are available as needed.

The MPO SECURE products are available in the same colors and are compatible with color-coded MPO SECURE cassettes. Standard MPO SECURE trunk cables are available in fiber counts to 72 fibers. MPO SECURE cassettes are available as twelve or

twenty-four fiber assemblies. Cables and cassettes are available with 50 µm, Laser Optimized (10 Gig) and 62.5 µm multimode fiber.

The success of the MT-RJ SECURE product line has fostered growing interest in the SECURE product concept. The addition of the LC and MPO interfaces to the AMP NETCONNECT SECURE product portfolio will allow a wider adoption of the concept and allow more customers to take advantage of the benefits the system offers.

A complete line of connectivity, cable assemblies, and cables are available for MT-RJ SECURE, LC SECURE and MPO SECURE. See pages 9-13 for details.
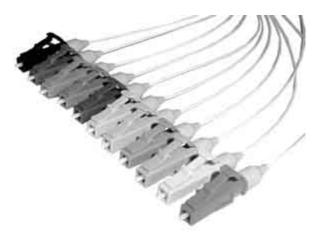
LC SECURE Product Offering

LIGHTCRIMP PLUS and Epoxy Style LC Product Facts

- **LIGHTCRIMP PLUS— No Epoxy/No Polish**

- **Strip, Cleave and Crimp**

- **LC small form factor design is half the size of SC**

- **10 exclusive connector variants**

- **Color coded plugs & adapters match MT-RJ & MPO SECURE offerings**

- **LIGHTCRIMP PLUS— Termination to 250 or 900 µm tight-buffered fiber, 1.6–2.0 mm jacketed fiber using standard tooling**

- **Epoxy Style—Termination to 250 or 900 µm tight-buffered fiber 1.6 – 2.0 mm jacketed fiber**

- **Epoxy Style—Suitable for use with heat-cured or anaerobic (quick cure) adhesives (See instruction sheet for recommended anaerobic adhesives)**

- **Product qualification to TIA/EIA 568-B.3**

- **Field installable duplex clip (black) for polarity correction if needed**

- **Plug nose features can provide up to 70 mutually exclusive keying combinations**

- **Distinct keyway geometry on plug nose & color coding assures identifiable key-type**

- **Extended lugs on plug side-walls prevent SECURE connectors from mating with non-secure adapters**

- **Molded internal geometry produces tamper resistant system**

- **Key placement allows SECURE plugs to interface with standard 1.25 mm test equipment, inspection microscopes and application tooling**

- **Termination kits — same as standard product**

LIGHTCRIMP PLUS LC SECURE Kits

Color	Simplex 50/125 MM SECURE	Simplex 50/125 Laser Optimized (10 Gig) MM SECURE	Simplex 62.5/125 MM SECURE	Simplex SM SECURE	Notes
Red	1828853-1	1828854-1	1828855-1	1828856-1	Primary
Yellow	1828853-2	1828854-2	1828855-2	1828856-2	Primary
Green	1828853-3	1828854-3	1828855-3	1828856-3	Primary
Blue	1828853-4	1828854-4	1828855-4	1828856-4	Primary
Rose	1828853-5	1828854-5	1828855-5	1828856-5	
Aqua	1828853-6	1828854-6	1828855-6	1828856-6	
Brown	1828853-7	1828854-7	1828855-7	1828856-7	
Violet	1828853-8	1828854-8	1828855-8	1828856-8	
Orange	1828853-9	1828854-9	1828855-9	1828856-9	
Slate	1-1828853-0	1-1828854-0	1-1828855-0	1-1828856-0	

Highlighted Part Numbers are routinely stocked for shortest lead times.

Epoxy Style LC Kits

Color	Simplex Jumper Multimode	Simplex Buffer Multimode	Simplex Jumper Singlemode	Simplex Buffer Singlemode	Notes
Red	1828078-1	1828861-1	1828079-1	1828862-1	Primary
Yellow	1828078-2	1828861-2	1828079-2	1828862-2	Primary
Green	1828078-3	1828861-3	1828079-3	1828862-3	Primary
Blue	1828078-4	1828861-4	1828079-4	1828862-4	Primary
Rose	1828078-5	1828861-5	1828079-5	1828862-5	
Aqua	1828078-6	1828861-6	1828079-6	1828862-6	
Brown	1828078-7	1828861-7	1828079-7	1828862-7	
Violet	1828078-8	1828861-8	1828079-8	1828862-8	
Orange	1828078-9	1828861-9	1828079-9	1828862-9	
Slate	1-1828078-0	1-1828861-0	1-1828079-0	1-1828862-0	

Highlighted Part Numbers are routinely stocked for shortest lead times.

**Duplex Clip:
Part Number 1754371-1**

Note: All part numbers are RoHS compliant.

LC SECURE Product Offering (Continued)

**LC Duplex Adapters
Product Facts**

- ■ **Flange mount, flangeless, and SL Series for use with AMP NETCONNECT SL panels**

- ■ **High quality ceramic sleeves**

- ■ **Suitable for singlemode and multimode**

- ■ **Key and color compatible to Epoxy Style and LIGHTCRIMP PLUS Product**

LC Duplex Adapters

Color	SECURE Adapter Flanged	SECURE Adapter Flangeless	SECURE Adapter SL	Notes
Red	1828073-1	1828074-1	1828075-1	Primary
Yellow	1828073-2	1828074-2	1828075-2	Primary
Green	1828073-3	1828074-3	1828075-3	Primary
Blue	1828073-4	1828074-4	1828075-4	Primary
Rose	1828073-5	1828074-5	1828075-5	
Aqua	1828073-6	1828074-6	1828075-6	
Brown	1828073-7	1828074-7	1828075-7	
Violet	1828073-8	1828074-8	1828075-8	
Orange	1828073-9	1828074-9	1828075-9	
Slate	1-1828073-0	1-1828074-0	1-1828075-0	

Highlighted Part Numbers are routinely stocked for shortest lead times.

Note: All part numbers are RoHS compliant.