



SECURE PRODUCTS

# ***SECURE Products*** SECURE Copper & ***Fiber***

Color-coded  
SECURE cabling connectivity





## Put Your Network, Data and Mind...at Ease!

**Our Color-coded and keyed SECURE connectors help protect and segregate your data and network.**



Whether it's a military installation, multiple network data center suite, financial institution or a local network, protecting and segregating your data can be a monumental task. But now with the full line of Tyco Electronics AMP NETCONNECT SECURE optical fiber and twisted-pair connectors, guarding your network is as easy as knowing your colors.

With the keyed and color-coded LC, MT-RJ and MPO connectors, cassettes and cables assemblies, it's easy to construct complete optical fiber networks. RJ45 SECURE connectors are drop-in replacement for standard SL-series RJ45 connectors. All SECURE products are designed to dramatically reduce the risk of improper cross connection, and limit unauthorized access.

### Classified Information

When parts of your network house highly sensitive information such as national security, personal,

government or financial records, it is imperative to protect that data. The unique keying technology employed in the AMP NETCONNECT SECURE connector line greatly reduces the risk of unauthorized connections. Through a combination of offset slots, keys, non-symmetrical cross sections and stops, the SECURE products are all modified to prevent mating with standard, or unmatched SECURE products.

### Hosting Multiple Clients

With off-site server space in high demand, many companies are offering services to multiple clients in one location, often with servers within feet, or even inches of each other. The consequences of inadvertent, improper connection can completely

# COLO

compromise both clients. By simply using specific colors to segregate clients, it becomes intuitively obvious which jack or adapter will accept each plug, thus greatly reducing that risk.



# KEYED

- Keyed and color-coded connectors, adapters and cable assemblies
- All connectors have same fit and function as their standard counterparts.
- Reduce risks of improper cross-connection and unauthorized access
- A complete line of fiber cassettes and cable assemblies, including hybrids are available.



LC SECURE connectors



MPO SECURE connectors



MT-RJ SECURE connectors



RJ45 SECURE connectors

# OR-CODED

- Manage multiple networks in one location
- Fiber products available in 10 colors, copper in 6
- Standard connector versions will not mate with SECURE connectors
- For use in patch panels as well as work stations

## MT-RJ SECURE PRODUCTS

- Ten color-coded keyed designs limit improper connections in segregated networks
  - MT-RJ SECURE plugs only mate with MT-RJ SECURE jacks of the same color
- Select fiber type of MT-RJ jack to match fiber type of cable
- Jack design eliminates need for MT-RJ SECURE adapter
- Small form factor design is half the size of SC duplex
- Terminate two (2) fibers in one (1) jack
  - No epoxy, no polishing, no crimping
  - Can be re-terminated - improves yield
  - Each fiber is tunable and locked separately
  - No bench tool required
  - Same installation tools and procedures as standard MT-RJ jacks

### MT-RJ SECURE Outlet Jacks

Fiber Type	Used with	Part Number
50/125 $\mu\text{m}$	900 $\mu\text{m}$ Tight-buffered	6278811-X
XG (850 nm LO 50/125 $\mu\text{m}$ )	900 $\mu\text{m}$ Tight-buffered	6754252-X
62.5/125 $\mu\text{m}$	900 $\mu\text{m}$ Tight-buffered	6278810-X

X denotes Connector color: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -5 = Rose, -6 = Aqua, -7 = Brown, -8 = Violet, -9 = Orange, 1- -0 = Slate



- Each part number includes:
  - One (1) MT-RJ SECURE outlet jack
  - Actuation tool
  - SL Series housing in matching color
  - Bend-limiting boot (black)

### MT-RJ SECURE Patch Panel Jacks

Fiber Type	Used with	Part Number
50/125 $\mu\text{m}$	900 $\mu\text{m}$ Tight-buffered	6588879-X
	250 $\mu\text{m}$ Coated Fiber	1278807-X
XG (850 nm LO 50/125 $\mu\text{m}$ )	900 $\mu\text{m}$ Tight-buffered	6693949-X
	250 $\mu\text{m}$ Coated Fiber	1693951-X
62.5/125 $\mu\text{m}$	900 $\mu\text{m}$ Tight-buffered	6588878-X
	250 $\mu\text{m}$ Coated Fiber	1278808-X
Single-mode	Pigtail Jacks (for fusion or mechanical splicing) two 250 $\mu\text{m}$ Coated Fibers in one 900 $\mu\text{m}$ tube	6588568-X

X denotes Connector color: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -5 = Rose, -6 = Aqua, -7 = Brown, -8 = Violet, -9 = Orange, 1- -0 = Slate



- Each part number includes: Six (6) MT-RJ SECURE patch panel jacks, two (2) actuation tools, fiber guide, icon wheel
  - Single-mode Pigtail Jacks sold individually.
- Six (6) patch panel jacks fit in one (1) MT-RJ Snap-in Adapter Plate (sold separately).

**MT-RJ SECURE PRODUCTS**

**MT-RJ SECURE Hybrid Cable Assemblies with MT-RJ, LC, SC, and ST-style connectors**

- Assemblies have SECURE connector on one end and a standard connector on the other end for connecting to equipment
  - Other constructions and combinations are available - *call for details*
- Ten color-coded keyed designs limit improper connections in segregated networks
- MT-RJ plugs only mate with similar type SECURE jacks of the same color
- Quick Ship available for MT-RJ SECURE cable assemblies
- Each MT-RJ and MT-RJ SECURE connector houses two fibers
- Standard jacket color is yellow for single-mode, orange for 50/125 μm and 62.5/125 μm, and aqua for XG 50/125 μm
- Cable assemblies are riser-rated (*Other ratings are available - call for details*)



MT-RJ SECURE Color		MT-RJ	LC Duplex	SC Duplex	ST-style Dual
RED	50/125 μm Multimode	6278873-X	1907396-X	6278877-X	6278881-X
	XG (850 nm 50/125 μm) Multimode	6754406-X	1918667-X	6754410-X	1918701-X
	62.5/125 μm Multimode	6278890-X	6828104-X	6278894-X	6278898-X
	Single-mode	6918733-X	1918668-X	6918734-X	1918702-X
YELLOW	50/125 μm Multimode	6278874-X	1918669-X	6278878-X	6278882-X
	XG (850 nm 50/125 μm) Multimode	6754407-X	1918670-X	6754411-X	1918703-X
	62.5/125 μm Multimode	6278891-X	6828923-X	6278895-X	6278899-X
	Single-mode	6918735-X	1918671-X	6918736-X	1918704-X
GREEN	50/125 μm Multimode	6278875-X	1907398-X	6278879-X	6278883-X
	XG (850 nm 50/125 μm) Multimode	6754408-X	1918672-X	6754412-X	1918705-X
	62.5/125 μm Multimode	6278892-X	1918673-X	6278896-X	6278900-X
	Single-mode	6918737-X	1918674-X	6918738-X	1918706-X
BLUE	50/125 μm Multimode	6278876-X	1907394-X	6278880-X	6278884-X
	XG (850 nm 50/12 5μm) Multimode	6754409-X	1918675-X	6754413-X	1918707-X
	62.5/125 μm Multimode	6278893-X	1907395-X	6278897-X	6278901-X
	Single-mode	6918739-X	1918676-X	6918740-X	1918708-X
ORANGE	50/125 μm Multimode	6828263-X	1918677-X	6828269-X	1918709-X
	XG (850 nm 50/125 μm) Multimode	6828251-X	1918678-X	6828257-X	1918710-X
	62.5/125 μm Multimode	6828275-X	1918679-X	6828281-X	1918711-X
	Single-mode	6828239-X	1918680-X	6828245-X	1918712-X
BROWN	50/125 μm Multimode	6828264-X	1918681-X	6828270-X	1918713-X
	XG (850 nm 50/125 μm) Multimode	6828252-X	1918682-X	6828258-X	1918714-X
	62.5/125 μm Multimode	6828276-X	1918683-X	6828282-X	1918715-X
	Single-mode	6828240-X	1918684-X	6828246-X	1918716-X
SLATE	50/125 μm Multimode	6828265-X	1918685-X	6828271-X	1918717-X
	XG (850 nm 50/125 μm) Multimode	6828253-X	1918686-X	6828259-X	1918718-X
	62.5/125 μm Multimode	6828277-X	1918687-X	6828283-X	1918719-X
	Single-mode	6828241-X	1918688-X	6828247-X	1918720-X
VIOLET	50/125 μm Multimode	6828266-X	1918689-X	6828272-X	1918721-X
	XG (850 nm 50/125 μm) Multimode	6828254-X	1918690-X	6828260-X	1918722-X
	62.5/125 μm Multimode	6828278-X	1918691-X	6828284-X	1918723-X
	Single-mode	6828242-X	1918692-X	6828248-X	1918724-X
ROSE	50/125 μm Multimode	6828267-X	1918693-X	6828273-X	1918725-X
	XG (850 nm 50/125 μm) Multimode	6828255-X	1918694-X	6828261-X	1918726-X
	62.5/125 μm Multimode	6828279-X	1918695-X	6828285-X	1918727-X
	Single-mode	6828243-X	1918696-X	6828249-X	1918728-X
AQUA	50/125 μm Multimode	6828268-X	1918697-X	1828274-X	1918729-X
	XG (850 nm 50/125 μm) Multimode	6828256-X	1918698-X	6828262-X	1918730-X
	62.5/125 μm Multimode	6828280-X	1918699-X	6828286-X	1918731-X
	Single-mode	6828244-X	1918700-X	6828250-X	1918732-X

X denotes length in meters: -1 = 1, -2 = 2, -3 = 3, -5 = 5, 1- -0 = 10

Multimode MT-RJ SECURE pigtail jacks are also available - *call for details.*

## LC SECURE PRODUCTS

- Ten color-coded keyed designs limit improper connections in segregated networks
- LC SECURE connectors only mate with LC SECURE adapters of the same color
- Select appropriate part number for termination to:
  - 900  $\mu$ m tight-buffered or 250  $\mu$ m coated fiber
  - 1.6 - 2.0mm jacketed fiber
- LC Duplex clip (black, sold separately) links two simplex LC connectors to make one duplex LC connector and allows for polarity correction after termination



### LC SECURE LightCrimp PLUS Connectors (No-epoxy/No-polish)

Fiber Type	Boot Color	Used with	Part Number
50/125 $\mu$ m	Black	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber 1.6 - 2.0mm Jacketed Fiber	1985959-X
XG (850 nm LO 50/125 $\mu$ m)	Aqua	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber 1.6 - 2.0mm Jacketed Fiber	1985960-X
62.5/125 $\mu$ m	Beige	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber 1.6 - 2.0mm Jacketed Fiber	1985961-X
Single-mode	Blue	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber	1828856-X
		1.6 - 2.0mm Jacketed Fiber	1828860-X

X denotes Connector color: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -5 = Rose, -6 = Aqua, -7 = Brown, -8 = Violet, -9 = Orange, 1-0 = Slate

- Easy installation:
  - No epoxy, no polishing
  - No bench tool required
  - Strip, cleave, and crimp
- LC SECURE LightCrimp PLUS connector uses the same installation tooling as the standard LC LightCrimp PLUS connector
- LC SECURE LightCrimp PLUS connectors feature ceramic ferrules

### LC SECURE Epoxy/Polish Connectors

Fiber Type	Boot Color	Used with	Part Number
Multimode	Beige	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber	1828861-X
		1.6 - 2.0mm Jacketed Fiber	1828078-X
Single-mode	Blue	900 $\mu$ m Tight-buffered or 250 $\mu$ m Coated Fiber	1828862-X
		1.6 - 2.0mm Jacketed Fiber	1828079-X

X denotes Connector color: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -5 = Rose, -6 = Aqua, -7 = Brown, -8 = Violet, -9 = Orange, 1-0 = Slate

- Multimode connectors are suitable for use with 50/125  $\mu$ m, XG (850 nm LO 50/125  $\mu$ m), and 62.5/125  $\mu$ m fibers and come with beige boots
- Single-mode connectors are suitable for use with all single-mode fiber types and come with blue boots
- LC SECURE connectors use the same LC installation tooling as standard LC
- Suitable for use with heat-cured or anaerobic (quick cure) adhesive

### LC Duplex Clip Part Number 1754371-2



- Used to link two simplex LC connectors to make one duplex LC connector
- Compatible with single-mode or multimode simplex connectors
- Black
- Available in packages of six (6)

## LC SECURE Duplex Hybrid Cable Assemblies with MT-RJ, LC, SC, and ST-style connectors

- Assemblies have SECURE connector on one end and a standard connector on the other end for connecting to equipment
  - Other constructions and combinations are available - *call for details*
- Ten color-coded keyed designs limit improper connections in segregated networks
- LC SECURE plugs only mate with LC SECURE adapters of the same color
- Quick Ship available
- LC SECURE connectors feature ceramic ferrules
- Standard jacket color is yellow for single-mode, orange for 50/125 μm and 62.5/125 μm, and aqua for XG 50/125 μm
- Cable assemblies are riser-rated (*Other ratings are available - call for details*)

LC SECURE Duplex Color		MT-RJ	LC Duplex	SC Duplex	ST-style Dual
RED	50/125 μm Multimode	1907114-X	1906012-X	1905992-X	1906002-X
	XG (850 nm 50/125 μm) Multimode	1907134-X	1906090-X	1906070-X	1905079-X
	62.5/125 μm Multimode	1907124-X	1906051-X	1828872-X	1906080-X
	Single-mode	1906904-X	1905109-X	1905089-X	1905099-X
YELLOW	50/125 μm Multimode	1907116-X	1906014-X	1905994-X	1906004-X
	XG (850 nm 50/125 μm) Multimode	1907136-X	1906092-X	1906072-X	1906082-X
	62.5/125 μm Multimode	1907126-X	1906053-X	1828871-X	1906043-X
	Single-mode	1906906-X	1905111-X	1905091-X	1905101-X
GREEN	50/125 μm Multimode	1907117-X	1906015-X	1905995-X	1906005-X
	XG (850 nm 50/125 μm) Multimode	1907137-X	1906093-X	1906073-X	1906083-X
	62.5/125 μm Multimode	1907127-X	1906054-X	1828870-X	1906044-X
	Single-mode	1906907-X	1905112-X	1905092-X	1905102-X
BLUE	50/125 μm Multimode	1907115-X	1906013-X	1905993-X	1906003-X
	XG (850 nm 50/12 5μm) Multimode	1907135-X	1906091-X	1906071-X	1906081-X
	62.5/125 μm Multimode	1907125-X	1906052-X	1828875-X	1906042-X
	Single-mode	1906905-X	1905110-X	1905090-X	1905100-X
ORANGE	50/125 μm Multimode	1907118-X	1906016-X	1906996-X	1906006-X
	XG (850 nm 50/125 μm) Multimode	1907138-X	1906094-X	1906074-X	1906084-X
	62.5/125 μm Multimode	1907128-X	1906055-X	1906035-X	1906045-X
	Single-mode	1906908-X	1905113-X	1905093-X	1905103-X
BROWN	50/125 μm Multimode	1907121-X	1906019-X	1906999-X	1906009-X
	XG (850 nm 50/125 μm) Multimode	1907141-X	1906097-X	1906077-X	1906087-X
	62.5/125 μm Multimode	1907131-X	1906058-X	1906038-X	1906048-X
	Single-mode	1906911-X	1905116-X	1905096-X	1905106-X
SLATE	50/125 μm Multimode	1907123-X	1906021-X	1906001-X	1906011-X
	XG (850 nm 50/125 μm) Multimode	1907143-X	1906099-X	1906079-X	1906089-X
	62.5/125 μm Multimode	1907133-X	1906060-X	1828283-X	1906050-X
	Single-mode	1906913-X	1905118-X	1906040-X	1905108-X
VIOLET	50/125 μm Multimode	1907120-X	1906018-X	1905998-X	1906008-X
	XG (850 nm 50/125 μm) Multimode	1907140-X	1906096-X	1906076-X	1906086-X
	62.5/125 μm Multimode	1907130-X	1906057-X	1906037-X	1906047-X
	Single-mode	1906910-X	1905115-X	1905095-X	1905105-X
ROSE	50/125 μm Multimode	1907119-X	1906017-X	1905997-X	1906007-X
	XG (850 nm 50/125 μm) Multimode	1907139-X	1906095-X	1906075-X	1906085-X
	62.5/125 μm Multimode	1907129-X	1906056-X	1906036-X	1906046-X
	Single-mode	1906909-X	1905114-X	1905094-X	1905104-X
AQUA	50/125 μm Multimode	1907122-X	1906020-X	1906000-X	1906010-X
	XG (850 nm 50/125 μm) Multimode	1907142-X	1906098-X	1906078-X	1906088-X
	62.5/125 μm Multimode	1907132-X	1906059-X	1906039-X	1906049-X
	Single-mode	1906912-X	1905117-X	1905097-X	1905107-X

X denotes length in meters: -1 = 1, -2 = 2, -3 = 3, -5 = 5, 1- -0 = 10

## LC SECURE PRODUCTS

### LC SECURE SL Series Duplex Couplers

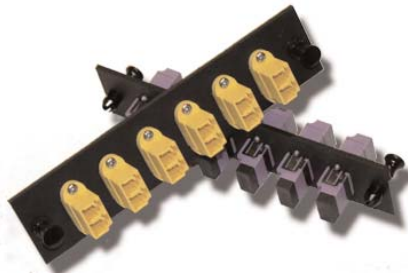


- Ten color-coded keyed designs limit improper connections in segregated networks
- LC SECURE connectors only mate with LC SECURE couplers of the same color
- Hybrid Coupler – mates LC SECURE connectors to standard connectors
  - LC SECURE coupler on the Work Area side
- Configure faceplates with one or more LC SECURE connectors to provide a common access point to multiple segregated networks
- Couplers suitable for use with multimode and single-mode LC SECURE connectors
- Easily snaps into SL Series modules, duplex mounting straps, patch panels, and enclosures
- May be used in straight or angled faceplate modules

Description	Fiber Type	Part Number
LC SECURE Coupler	Multimode & Single-mode	1933422-X
LC SECURE Hybrid Coupler	Multimode & Single-mode	1933285-X

X denotes color of LC Coupler and SL Series Housing: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -5 = Rose, -6 = Aqua, -7 = Brown, -8 = Violet, -9 = Orange, 1-0 = Slate

### LC SECURE Snap-in Adapter Plates



- Ten color-coded keyed designs limit improper connections in segregated networks
- LC SECURE connectors only mate with LC SECURE adapters of the same color
- Adapters suitable for use with multimode or single-mode LC SECURE connectors
- Snap-in Adapter Plates fit in unloaded optical fiber enclosures
- Snap-in adapter plates hold six (6) or twelve (12) duplex LC SECURE adapters

Description	Adaptor Color	Part Number	
		12-Fiber	24-Fiber
Duplex LC SECURE Snap-in Adaptor Plates	Red	1777127-1	1499702-2
	Yellow	1777127-2	1499703-2
	Green	1777127-3	1499704-2
	Blue	1777127-4	1499705-2
	Rose	1777127-9	1499706-2
	Aqua	1-1777127-0	1499707-2
	Brown	1777127-6	1499708-2
	Violet	1777127-8	1499709-2
	Orange	1777127-5	1499710-2
	Slate	1777127-7	1499711-2

**MPO SECURE PRODUCTS**

**MPO SECURE Optical Fiber Cassettes**



- Ten color-coded keyed designs limit improper connections in segregated networks
  - MPO SECURE plugs only mate with MPO SECURE adapters of the same color
- Cassettes have one MPO SECURE connection (12-Fiber) or two MPO SECURE connections (24-Fiber) on the back
- Cassettes house one or two 12-fiber break-out assemblies
- MPO SECURE cassette color matches the LC SECURE or MTRJ SECURE adapter color of the cassette
- Cassette fiber polarity is Pair-Flipped (AB/BA)
  - Cassettes with Pair-Straight polarity (AB/AB) are available - *call for details*
- Cassettes have same footprint as the snap-in adapter plates and fit in unloaded optical fiber enclosures
- Factory tested and ready for installation
- Quick Ship available for MPO SECURE cassettes

Description	Fiber Type	Fiber Count	Duplex Port Count	Part Number	
				MTRJ SECURE	LC SECURE
MPO SECURE Cassettes	50/125 μm Multimode	12	6	6754286-X	1918779-X
		24	12	6754288-X	1918780-X
	XG (850 nm LO 50/125 μm)	12	6	1918777-X	1918783-X
		24	12	1918778-X	1918784-X
	62.5/125 μm Multimode	12	6	6754285-X	1918781-X
		24	12	6754287-X	1918782-X
	Single-mode	12	6	1938996-X	1938056-X
		24	12	6828819-X	1938965-X

X denotes cassette connector color: -2 = Red, -3 = Green, -4 = Blue, -5 = Yellow, -6 = Orange, -7 = Brown, -8 = Violet, -9 = Rose, 1 - - 0 = Slate, 1 - - 1 = Aqua

**Standard MPO to LC SECURE Optical Fiber Cassettes**



- Ten color-coded keyed designs limit improper connections in segregated or secure networks
- Cassettes have one MPO connection (12-Fiber) or two MPO connections (24-Fiber) on the back
- Cassettes house one or two 12-fiber break-out assemblies
- Cassette fiber polarity is Pair-Flipped (AB/BA)
  - Cassettes with Pair-Straight polarity (AB/AB) are available - *call for details*
- Cassettes have same footprint as the snap-in adapter plates and fit in unloaded optical fiber enclosures
- Factory tested and ready for installation
- Use standard MPO cable assemblies

Description	Fiber Type	Fiber Count	Duplex Port Count	Part Number
				LC SECURE
Standard MPO Cassettes	50/125 μm Multimode	12	6	1985798-X
		24	12	1938966-X
	XG (850 nm LO 50/125 μm)	12	6	1985713-X
		24	12	1918785-X
	62.5/125 μm Multimode	12	6	1985799-X
		24	12	1938967-X
	Single-mode	12	6	1985797-X
		24	12	1918786-X

X denotes cassette connector color: -2 = Red, -3 = Green, -4 = Blue, -5 = Yellow, -6 = Orange, -7 = Brown, -8 = Violet, -9 = Rose, 1 - - 0 = Slate, 1 - - 1 = Aqua

**MPO SECURE PRODUCTS**

**MPO SECURE Trunk Cable Assemblies**



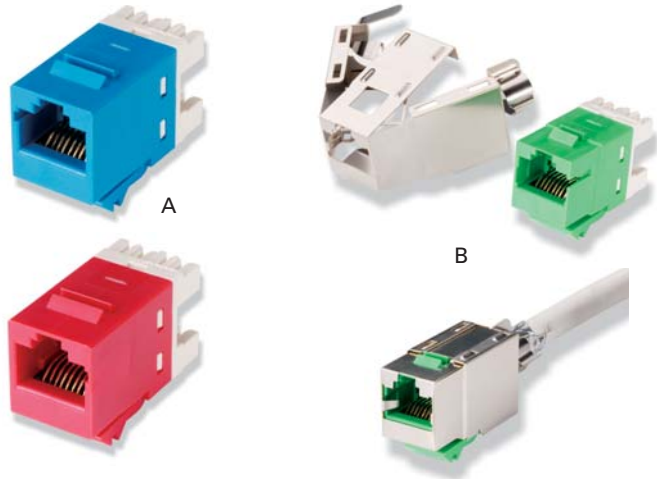
- Ten color-coded keyed designs limit improper connections in segregated networks
  - MPO SECURE plugs only mate with MPO SECURE adapters of the same color
- Twelve (12) fibers per MPO SECURE plug
- Easy installation - MPO SECURE plugs are push/pull connectors
- Trunk cables come pre-tested and ready for immediate use with MPO SECURE plugs on both ends
- Pulling socks protect MPO SECURE terminations during installation
- Trunk cable fiber polarity is Pair-Flipped (AB/BA)
  - Trunk cables with Pair-Straight polarity (AB/AB) are available - *call for details*
- 12 and 24 fiber MPO Trunk cables meet or exceed the requirements of GR-409-CORE and UL/NEC rating for Riser and Plenum applications.
  - Plenum cables can be used in riser spaces
- Quick Ship available for MPO SECURE cable assemblies
- Additional fiber counts and custom lengths are available - *call for details*

Description	Fiber Type	MPO SECURE Plug Color/Keying	Part Number		
			12-Fiber	24-Fiber	
MPO SECURE Trunk Cable Assemblies OFNP	50/125 μm	Red	6754273-X	6754281-X	
		Yellow	6754276-X	6754284-X	
		Green	6754274-X	6754282-X	
		Blue	6754275-X	6754283-X	
		Rose	1918741-X	1918759-X	
		Aqua	1918742-X	1918760-X	
		Brown	1918743-X	1918761-X	
		Violet	1918744-X	1918762-X	
		Orange	1918745-X	1918763-X	
		Slate	1918746-X	1918764-X	
		Red	6754420-X	6754424-X	
		Yellow	6754421-X	6754425-X	
		Green	6754422-X	6754426-X	
		Blue	6754423-X	6754427-X	
		Rose	1918753-X	1918771-X	
		Aqua	1918754-X	1918772-X	
		Brown	1918755-X	1918773-X	
		Violet	1918756-X	1918774-X	
	Orange	1918758-X	1918775-X		
	Slate	1918759-X	1918776-X		
	XG (850 nm LO 50/125 μm)		Red	6754269-X	6754277-X
			Yellow	6754272-X	6754280-X
			Green	6754270-X	6754278-X
			Blue	6754271-X	6754279-X
			Rose	1918747-X	1918765-X
			Aqua	1918748-X	1918766-X
			Brown	1918749-X	1918767-X
			Violet	1918750-X	1918768-X
			Orange	1918751-X	1918769-X
			Slate	1918752-X	1918770-X

X denotes length in feet: -1 = 10, -2 = 20, -3 = 30, -4 = 40, -5 = 50, -6 = 60, -7 = 70, -8 = 80, -9 = 90, 1- -0 = 100, 1- -1 = 110, 1- -2 = 120, 1- -3 = 130, 1- -4 = 140, 1- -5 = 150, 1- -6 = 160, 1- -7 = 170, 1- -8 = 180, 1- -9 = 190, 2- -0 = 200, 2- -1 = 210, 2- -2 = 220, 2- -3 = 230, 2- -4 = 240, 2- -5 = 250, 2- -6 = 260, 2- -7 = 270, 2- -8 = 280, 2- -9 = 290, 3- -0 = 300

**RJ45 SECURE PRODUCTS**

**RJ45 SECURE SL Series Category 6 Modular Jacks**



- Six color-coded keyed designs limit improper connections in segregated networks
  - RJ45 SECURE plugs only mate with RJ45 SECURE jacks of the same color
- Configure faceplates with one or more RJ45 SECURE connectors to provide a common access point to multiple segregated or secure networks
- Same thin profile as standard RJ45 SL Series jacks - easily snaps into SL Series modules, duplex mounting straps, patch panels and enclosures
- May be used in straight or angled faceplate modules
- 180° cable dress for easy termination
  - Unshielded jacks also allow 90° cable dress
- Universal wiring label permits wiring to T568A or T568B
- Bend-limiting strain relief included with unshielded jacks
- UL Listed: E81956
- 8-Position RJ45 SECURE Modular Jacks for 1-, 2-, 3- and 4-Pair applications
- Shielded and unshielded jacks
- Can be terminated with SL Series Modular Jack Termination Tool 1725150-1

Wiring Pattern	Figure	Part Number
T568A/T568B Unshielded	A	1479794-X
Shielded 180° (Rear) Entry	B	1479795-X

X denotes color: -1 = Red, -2 = Yellow, -3 = Green, -4 = Blue, -8 = Violet, -9 = Orange

**Category 6 RJ45 SECURE Patch Cable Assemblies**



- Six color-coded keyed designs limit improper connections in segregated networks
  - RJ45 SECURE plugs only mate with RJ45 SECURE jacks of the same color
- RJ45 SECURE assemblies have a standard plug on one end and a RJ45 SECURE plug on the other end
- Color-matched snagless boots
- Universal wiring (T568A/T568B)
- 26 AWG stranded conductors
- Shielded and unshielded cable assemblies
- Cable assemblies are riser rated.

Description	Part Number					
	Red	Yellow	Green	Blue	Violet	Orange
RJ45 SECURE Unshielded	1499841-X	1499842-X	1499843-X	1499844-X	1499845-X	1499846-X
RJ45 SECURE Shielded	1499848-X	1499849-X	1499850-X	1499851-X	1499852-X	1499853-X

X denotes length in feet: -2 = 2, -3 = 3, -4 = 4, -5 = 5, -6 = 6, -7 = 7, -8 = 8, -9 = 9, 1-0 = 10, 1-2 = 12, 1-4 = 14, 1-5 = 15, 1-6 = 16, 2-0 = 20, 2-5 = 25, 3-0 = 30, 4-0 = 40, 5-0 = 50

## TERMINATION PRODUCTS

### LC LightCrimp PLUS and MT-RJ Termination Tool Kits, No-epoxy/No-polish



Description	Part Number
Universal LightCrimp PLUS No-epoxy/No-polish Tool Kit (LC, MT-RJ, SC, and ST) with cleave tool (1871696-1), no microscope	1278118-4
Universal LightCrimp PLUS No-epoxy/No-polish Tool Kit (LC, MT-RJ, SC, and ST) with cleave tool (1871696-1) and inspection microscope	1278118-5

- Universal kits Include all tools needed for installing all LightCrimp PLUS (including SECURE connectors) no-epoxy/no-polish connectors, MT-RJ, and MT-RJ SECURE Jacks
- Convenient carrying case

### MT-RJ Jack Termination Tool Kit

Description	Part Number
MT-RJ Termination Tool Kit with cleave tool (1871696-1) and inspection microscope	1278346-2

- Includes all tools needed for installing MT-RJ and MT-RJ SECURE Jacks

Cleave Tool



1871696-1

### LC Termination Tool Kit, No-epoxy/No-polish

Description	Part Number
LightCrimp PLUS LC Connector Termination Tool Kit with cleave tool (1871696-1) and inspection microscope	1754845-2

- Includes all tools needed for installing LightCrimp PLUS LC and LC SECURE connectors

### Pro-Installer Epoxy/Polish Connector Termination Tool Kits

Description	Part Number
Termination Kit with 110 V Curing Oven and Microscope	501258-7
LC Epoxy/Polish Termination Accessories	175446-1

- For LC terminations, order the termination kit and the Epoxy/Polish LC Terminations Accessories
- Tool kit with Accessories include:
  - PRO-CRIMPER III Hand Tool and crimping dies
  - Polishing bushings
  - Polishing film
  - Fiber strippers
  - Scribe tool
- Includes polishing films to install 60 epoxy/polish connectors
  - Epoxy is sold separately
- Convenient carrying case

### SL Series Modular Jack Termination Tool and Accessories

Description	Part Number
SL Series Modular Jack Termination Tool With Lacing Fixture	1725150-1
Replacement Lacing Fixture	1673956-1



- Termination tool for SL Series Jacks
- Simplifies the termination process
- Terminates and cuts all 8 conductors at once
- Simplifies lacing process and speeds up terminations





**ENGINEERING NOTES**



## Tyco Electronics Corporation AMP NETCONNECT Global Offices:

### North America

Greensboro, NC, USA  
Ph: +1-800-553-0938  
Fx: +1-717-986-7406

### Europe

Kessel-Lo, Belgium  
Ph: +32-16-352-300  
Fx: +32-16-352-353

### Mid East & Africa

Cergy-Pontoise, France  
Ph: +33-1-3420-2122  
Fx: +33-1-3420-2268

### Latin America

Buenos Aires, Argentina  
Ph: +54-11-4733-2200  
Fx: +54-11-4733-2282

### Asia

Hongkong, China  
Ph: +852-2735-1628  
Fx: +852-2735-1625

### Pacific

Sydney, Australia  
Ph: +61-2-9407-2600  
Fx: +61-2-9407-2519

[www.ampnetconnect.com](http://www.ampnetconnect.com)

## Tyco Electronics Corporation AMP NETCONNECT North American Offices:

### United States

Greensboro, NC, USA  
Ph: +1-800-553-0938  
Fx: +1-717-986-7406  
[www.ampnetconnect.com](http://www.ampnetconnect.com)

### Canada

Markham, Ontario Canada  
Ph: 905-475-6222  
Fx: 905-474-5519



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