



## Lightcrimp Plus Connectivity System

### Fiber Optic Terminations in less than a minute.

With the AMP NETCONNECT LightCrimp Plus connectors, you can terminate optical fibers for premises cabling and fiber-to-the-desk applications in less than a minute.

LightCrimp Plus connectors use Tyco Electronics splice and crimp technology to make fiber optic terminations a quick, clean and simple mechanical process. Only a few simple tools with limited training are required. With the LightCrimp Plus System you can terminate fibers without epoxies, without polishing papers, without ovens, without power and without UV lamps.

### System features & benefits

- **Lasercleaved factory fiberstub technology**
- **Quick and easy fiber termination process**
- **Terminations take under a minute**
- **Easy termination procedure**
- **No polishing needed: simply strip the cable, cleave and crimp**
- **Factory-polished to a consistent, high-quality end finish - eliminates return loss concerns**
- **No need for epoxy, curing ovens, or electricity**
- **SC, LC and ST-Style connectors**
- **No set-up required, ideal for low fiber count cables**
- **No workstation required**
- **Lowest applied labor costs**
- **Exceeds connector performance requirements of TIA/EIA-568-B, ISO/IEC 11801 and EN 50173**
- **One tool kit for single-mode and multimode terminations**



## Specifications

### Pre-polished connectors

- Since AMP NETCONNECT LightCrimp Plus connectors are factory polished, all you have to do is strip the cable, cleave the fiber and crimp the connector. There is no set-up time required and you get a more consistent, high-quality endface finish.

### LightCrimp Plus connectors are rugged

- LightCrimp Plus connectors offer consistent crimp quality and long term high performance on a par with that of standard epoxy style connectors.
- LightCrimp Plus connectors meet the relevant TIA/EIA, IEC, and EN optical and mechanical specifications and operates in temperatures ranging from -10°C to +60°C.

### Tool kit upgrades

- The LightCrimp Plus crimp tooling can also be used to crimp LightCrimp connectors. For existing users of LightCrimp or pre-polished connectors, Tyco Electronics offers tool kit upgrades to make the transition to LightCrimp Plus terminations easier and more cost-effective.

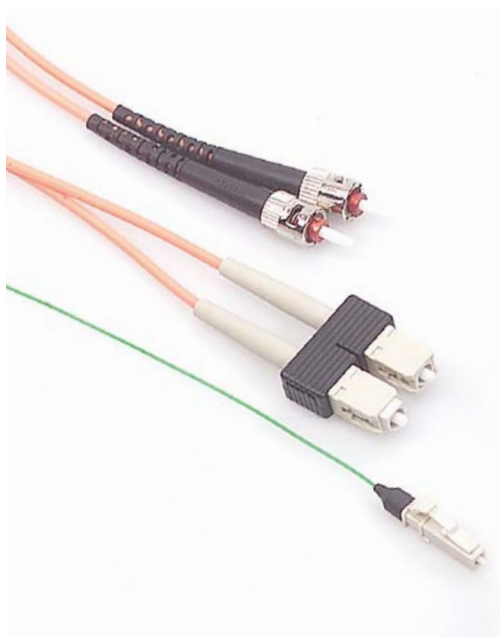
### Performance characteristics

- The LightCrimp Plus connector has been tested per industry FOTPs and exceeds all the requirements in the Connector Performance Specification Annex for TIA/EIA-568-B.3.
- Ferrule Type: Ceramic  
Insertion Loss: typical (dB): 0.2dB (SM) 0.3 dB (MM)  
Durability: 500 cycles

## Connectors

### Product Facts

- No epoxy, no polish, no curing
- Strip, cleave and crimp
- Easy and quick fiber termination
- Ceramic ferrules
- Compliant with TIA/EIA, 568B.3, ISO/IEC 11801 and EN 50173
- Multimode and singlemode



### Connectors

Connector	Fiber-cable type	Part number
Simplex LC, SM	250-900 micron	6754482-1
Simplex LC, OM2	250-900 micron	6754483-2
Simplex LC, OM3	250-900 micron	6754483-3
Simplex LC, OM1	250-900 micron	6754483-1
Duplex LC, SM	250-900 micron	6754484-1
Duplex LC, OM2	250-900 micron	6754485-2
Duplex LC, OM3	250-900 micron	6754485-3
Duplex LC, OM1	250-900 micron	6754485-1
Simplex LC, SM	1.6-2mm jacketed cable	1918626-1
Simplex LC, OM2	1.6-2mm jacketed cable	1918627-2
Simplex LC, OM3	1.6-2mm jacketed cable	1918627-3
Simplex LC, OM1	1.6-2mm jacketed cable	1918627-1
Simplex SC, SM	250-900 mu and jacketed cable	6693276-1
Simplex SC, OM2	250-900 mu and jacketed cable	6278079-1
Simplex SC, OM3	250-900 mu and jacketed cable	6588291-1
Simplex SC, OM1	250-900 mu and jacketed cable	5492643-1
Duplex SC, SM	250-900 mu and jacketed cable	6693278-1
Duplex SC, OM2	250-900 mu and jacketed cable	6278080-1
Duplex SC, OM3	250-900 mu and jacketed cable	6588292-1
Duplex SC, OM1	250-900 mu and jacketed cable	6278009-1
ST, OM2	250-900 mu and jacketed cable	6278082-1
ST, OM1	250-900 mu and jacketed cable	5492642-1

## Termination and adaptive kits

### Product Facts

- Termination tool kits come with a professional carrying pouch and are equipped with all the necessary tools required to terminate field installable connectors. See Termination and Adaptive Kit descriptions for kit contents.
- Adaptive tool kits come with a professional carrying pouch and contain all the tools specific to LightCrimp Plus connector terminations. See Termination and Adaptive Kit descriptions for kit contents.
- Adaptive Tool Kits are a cost-effective solution if common fiber and cable preparation tools are already available.
- All kits come with a LightCrimp Plus connector termination instruction sheet and instructional video CD-Rom.



Universal No-epoxy/No polish Termination Kit

### Termination Kits

Description	Part Number
<b>Universal No-epoxy/No-polish Termination Kit</b> (SC, ST-Style, LC, MT-RJ and MT-RJ SECURE Jacks)	1278118-5
Includes premium carrying case, crimp tool, SC, ST-Style and LC die sets, all-in-one stripper tool, Micro-Strip tool, Kevlar shears, SC, ST-Style and LC cable holder, microscope 200x and cleave tool.	
<b>SC Connector Termination Kit</b>	1278022-2
Includes crimp tool, SC die set, all-in-one stripper tool, Kevlar shears, cable holder, microscope 200x and cleave tool.	
<b>LC Connector Termination Kit</b>	1754845-2
Includes crimp tool, LC die set, all-in-one stripper tool, Micro-Strip tool, Kevlar shears, cable holder, microscope 200x and cleave tool.	
<b>ST-Style Connector Termination Kit</b>	492697-2
Includes crimp tool, ST-Style die set, all-in-one stripper tool, Kevlar shears, cable holder, microscope 200x and cleave tool.	
<b>Deluxe Premise Termination Kit</b> MT-RJ Jack/LightCrimp Plus/LightCrimp	1278949-3
Includes premium carrying case, crimp tool, SC, LC and ST-Style die sets, all-in-one stripper tool, Micro-stripper, Kevlar shears, SC, LC and ST-Style cable holders, microscope 200x, polishing plates/pads/pucks/films, strip templates and actuator key.	

### Adaptive Kits

Description	Part Number
<b>LightCrimp Plus Combination Adaptive Kit (SC &amp; ST-Style)</b>	1754739-2
Includes crimp tool, SC die set and ST-Style die set, cable holders for SC and for ST-Style, microscope 200x, cleave tool and instruction sheets.	
<b>LightCrimp Plus SC Adaptive Kit</b>	1754737-2
Includes crimp tool, SC die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet.	
<b>LightCrimp Plus LC Adaptive Kit</b>	1754846-2
Includes crimp tool, LC die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet.	
<b>LightCrimp Plus ST-Style Adaptive Kit</b>	1754738-2
Includes crimp tool, ST-Style die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet.	
<b>LC Connector Upgrade Termination Kit</b>	1754847-1
Includes LightCrimp Plus Crimp Die and Cable Holder, designed for those who already have a LightCrimp Plus Tool Kit.	

## Upgrade and replacement tools

### Product facts

- Individual tools may be purchased separately.
- Please contact your local sales engineer to order upgrade or replacement tools.

Cleave tool



Cable holders/Templates, SC, LC & ST-Style



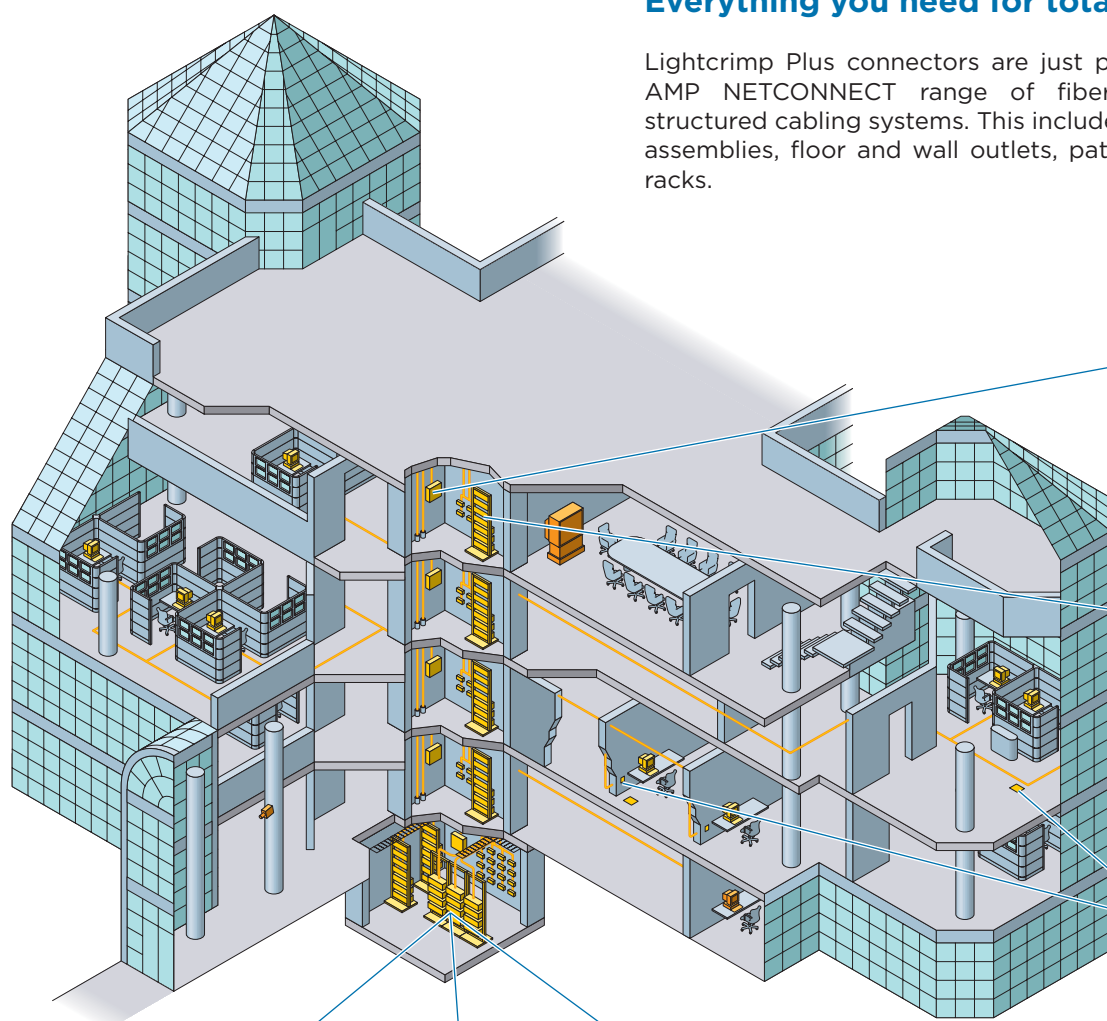
### Upgrade and replacement tools

Description	Part number
Premium softcase	1278540-1
Crimper with die-set, SC	492782-1
Crimper with die-set, LC	1754137-1
Crimper with die-set, ST-Style	492623-1
Die-set only, SC	492783-1*
Die set only, LC	1754136-1*
Die-set only, ST-Style	492622-1*
Cleave Tool	1871696-1
Cable holder/template, SC	1278023-1*
Cable Holder/template, LC	1754138-1*
Cable holder/template, ST-style	492703-1*
LightCrimp Plus LC Duplex Clip, black	1754371-2
LightCrimp plus SC duplex clip black	6348522-1

\* Upgrade your existing LightCrimp termination kit by ordering these part numbers.

## Everything you need for total solutions

Lightcrimp Plus connectors are just part of the comprehensive AMP NETCONNECT range of fiber optic components for structured cabling systems. This includes connectors, cable, cable assemblies, floor and wall outlets, patch panels, enclosures and racks.



*Fiber Optic Cable*



*Fiber Optic Patch Panel*



*Lightcrimp Plus SC, LC & ST-Style Connectors*



*ST, SC & LC-Style  
Cable Assemblies*

## Complete AMP NETCONNECT cabling systems

Tyco Electronics can provide individually tailored AMP NETCONNECT Open Cabling Systems using copper, fiber or a combination of both, providing customers with well-designed, cost-effective systems that meet their current requirements in addition to their future communications needs. See AMP NETCONNECT premises cabling catalog 1308799.

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