



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**



Our commitment. Your advantage.

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.

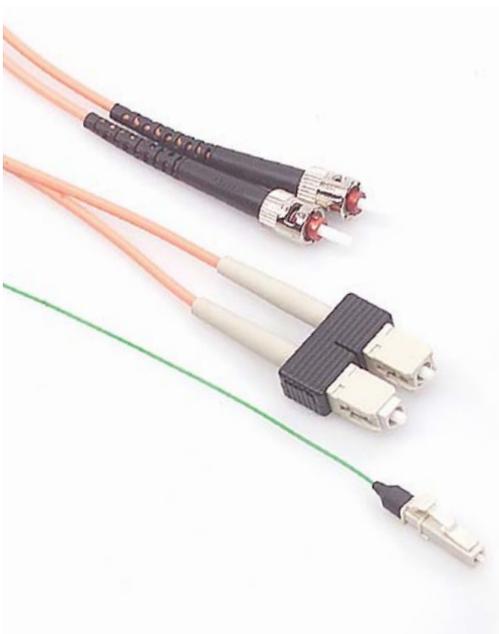
Performance characteristics

- 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 |
|---|-------------|
| Universal No-epoxy/No-polish Termination Kit <i>(SC, ST-Style, LC, MT-RJ and MT-RJ SECURE Jacks)</i> | 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. | |
| SC Connector Termination Kit | 1278022-2 |
| Includes crimp tool, SC die set, all-in-one stripper tool, Kevlar shears, cable holder, microscope 200x and cleave tool. | |
| LC Connector Termination Kit | 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. | |
| ST-Style Connector Termination Kit | 492697-2 |
| Includes crimp tool, ST-Style die set, all-in-one stripper tool, Kevlar shears, cable holder, microscope 200x and cleave tool. | |
| Deluxe Premise Termination Kit | 1278949-3 |
| <i>MT-RJ Jack/LightCrimp Plus/LightCrimp</i> | |
| 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 |
|---|-------------|
| LightCrimp Plus Combination Adaptive Kit (SC & ST-Style) | 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. | |
| LightCrimp Plus SC Adaptive Kit | 1754737-2 |
| Includes crimp tool, SC die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet. | |
| LightCrimp Plus LC Adaptive Kit | 1754846-2 |
| Includes crimp tool, LC die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet. | |
| LightCrimp Plus ST-Style Adaptive Kit | 1754738-2 |
| Includes crimp tool, ST-Style die set, cable holder, microscope 200x, cleave tool, carrying case and instruction sheet. | |
| LC Connector Upgrade Termination Kit | 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



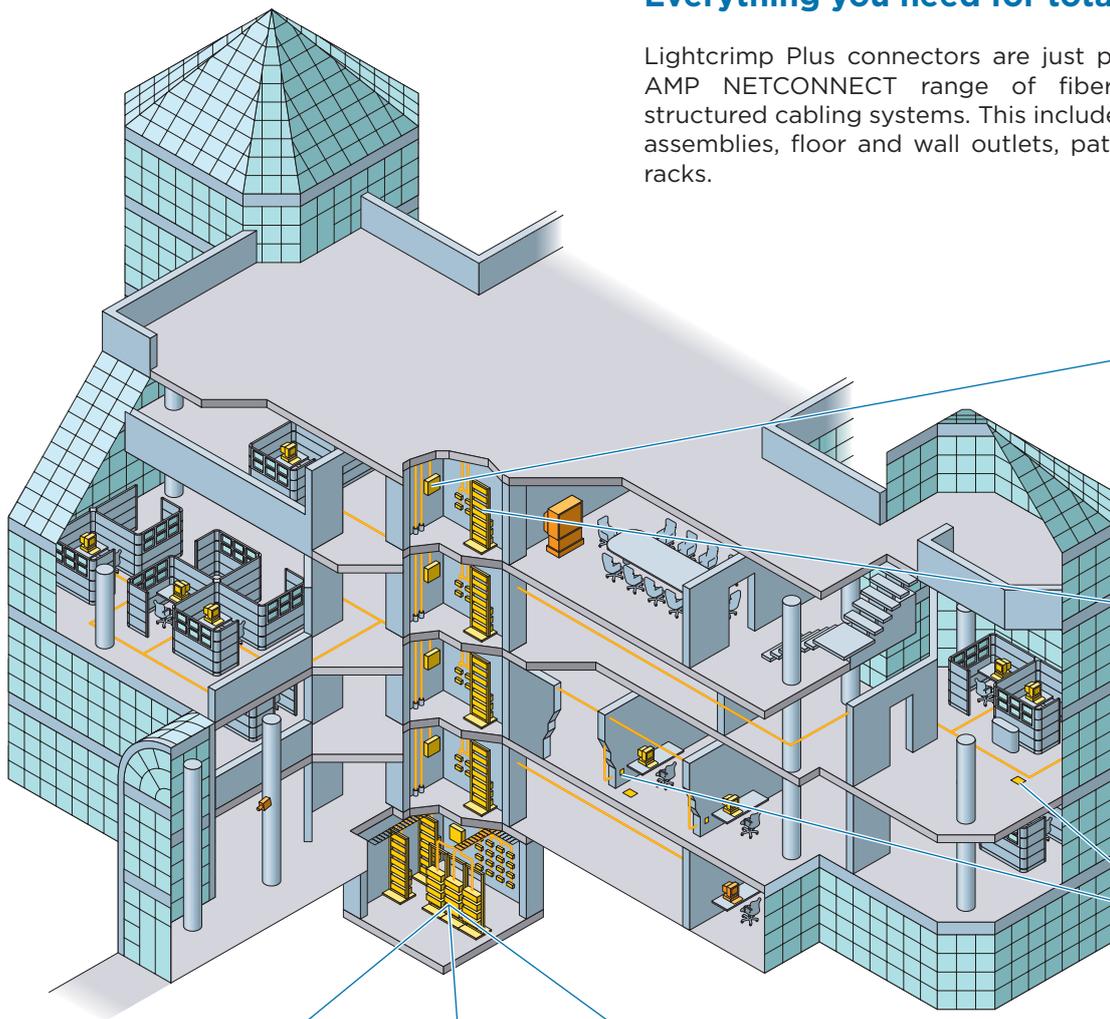
Upgrade and replacement tools

| 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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 **Tyco Electronics**
Our commitment. Your advantage.