



## **NECTOR S Line** lighting components

Flexible solutions for your lighting designs





The lighting industry is always changing. It is constantly in pursuit of more energy-efficient products with longer life-spans that can be used in different places under different circumstances. **TE Connectivity can assist developers, designers and innovators in gaining a head start in this competitive industry.** For over 60 years we have worked with lighting industry leaders providing them with strong competitive advantages. Today, with over 500,000 part numbers, we are a leader in passive electronic components. Tomorrow we can apply our expertise to your design and development programs.



## NECTOR S Line

The Nector S Line connector is a small, power-to-luminaire connector designed to meet the lighting industry's need for a compact, easy-to-install interconnect solution. This 7.5mm connector can easily fit in an 8 mm opening compared to other connectors that require much larger openings. The Nector S Line connector is ideal for applications where a power connection and coupling between lamps is needed. Targeted applications include lighting wiring in offices, kitchens, bathrooms, display cabinets, mountable lightings, shop and household furniture.

Whether it's showing you our value-added solutions or designing a new product; our commitment to advanced engineering and world-class manufacturing delivers innovation to advance your lighting project.

A grid of 20 jewelry display cases arranged in a 4x5 pattern. Each case contains a necklace on a mannequin bust. The necklaces vary in color and design, including multi-strand beaded necklaces, pearl necklaces, and necklaces with large gemstones. The cases are illuminated from above, creating a soft glow around each piece. The background is dark, making the jewelry stand out.

seeing

actual hole size  
fits a 7.5mm connector



# is believing

## Lighting solutions that increase sales

### Products need to stand out

Every product deserves the best presentation possible. Not only in a photograph used for an advertisement, but in its display at a store, a product fair or in the reseller's showroom. Most of the lighting featured in such product presentations should showcase the product in the most optimal way.

**THE PROBLEM :** An unreliable lighting connection can lead to light failure, which in turn can lead to poor product presentation.

**OUR SOLUTION :** A **reliable** lighting fixture with a proven connector system.

**THE END RESULT :** A **flexible**, high-quality fixture that provides more value through an integrated connector system.

### We can make your product stand out

Now you can have a plug-and-play interconnection system that easily conducts power anywhere. With the NECTOR S Line connector, you are no longer limited by the size and shape of a connector. The small, smart wiring solution can make the presentation of any product outstanding.



- Expand the power system and easily split power for two lamps
- Splitter has the function to switch power
- LEDs can be placed in the series using a splitter



Plug-and-play principle.

actual hole size  
fits a 7.5mm connector



# It's easy and reliable.

**Easy. Fast. Compact.**

It's our job to make lighting connectors easy to use and fast to implement. The compact NECTOR S Line connector allows you to think freely with your lighting design as its flexibility enables you to move fixtures around product displays for optimum lighting without worrying about any practical implications.

**Our connectors can make your lighting visualizations a reality.**



A modern kitchen with a curved ceiling and warm lighting. The kitchen features white cabinetry, a stainless steel range hood, and a countertop with various appliances like a coffee maker and toaster. A dining table with four white chairs is in the foreground. The lighting is a mix of recessed ceiling lights and under-cabinet warm lights. The text "lighting as you" is overlaid in the center-right.

lighting as you



actual hole size  
fits a 7.5mm connector



# imagined it

Flexible solutions with every design.

## The creative use of light sources

Every interior designer knows what proper lighting can do to a room, a desk or a cabinet. It can set a room's ambiance, tone a wall color, or apply an accent on just the right spot. Your wiring can be just as **flexible** as your imagination.

## Just give us 8mm

If you give us an opening as little as 8mm, the NECTOR S Line connector can fit there. You can power your lights just about anywhere: in a cabinet, inside kitchen furniture or in a headboard. The connector is easy to use, fast to implement and small enough to fit almost anywhere.

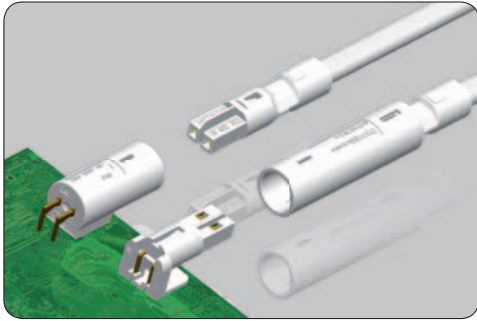


- Six-way splitter to power six lamps
- Optional switch function to switch distributor on or off



Better Atmosphere.

actual hole size  
fits a 7.5mm connector

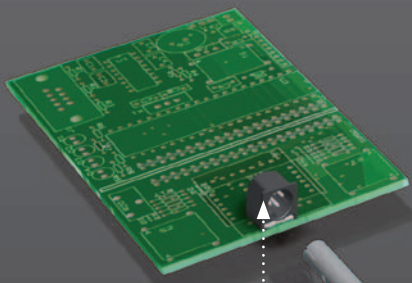


## Electricity where you need it.

### It's the little things

The overall atmosphere of any interior lighting design can change because of a 7.5mm connector. Those few millimeters can give you unparalleled freedom to power your lights. Whether it is 250V, 125V or a low voltage, the plug-and-play connector can expand a lighting system beyond its wall outlet.



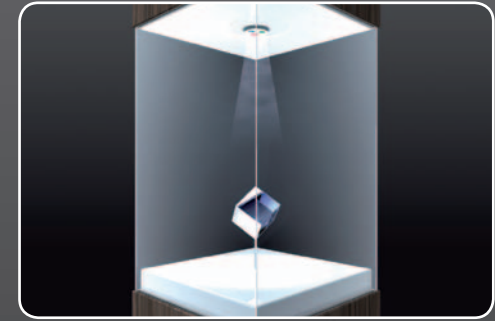


• SMD mount for soldering direct on drive

- Male-male cable
- Plug and play

• Extension cable optional

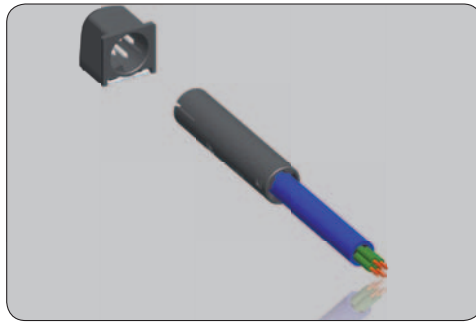
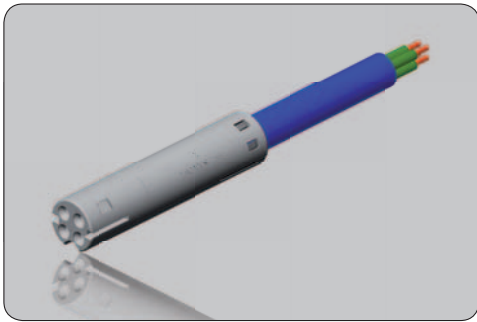
• Same SMD connector as on driver



# Color control.



actual hole size  
fits a 7.5mm connector



## 4 pole connector for control applications.

### If you need more control.

In many applications you like extra wires for control applications. This 4 pole connector fits through the same hole size diameter as the 2-pole NECTOR S line connector. The same small size is suitable for low voltage applications such as dimming or color control. The 4 pole series includes a SMD connector for pcb mounting and a male and female connector on wire.

Standard cable assemblies for coupling are available in 50 centimeter intervals up to 2.5 (meters) and from 2 feet up to 16 feet in two foot intervals.



A photograph of a grocery store aisle. In the foreground on the right, the handle of a shopping cart is visible, featuring a white grip with a blue accent. The cart's metal frame is partially visible. The aisle extends into the background, lined with shelves of various products. The lighting is bright, typical of a supermarket. The text "small connectors," is overlaid in white, sans-serif font across the middle of the image.

small connectors,

actual hole size  
fits a 7.5mm connector



# optimal connectivity

## Freedom in energy distribution.

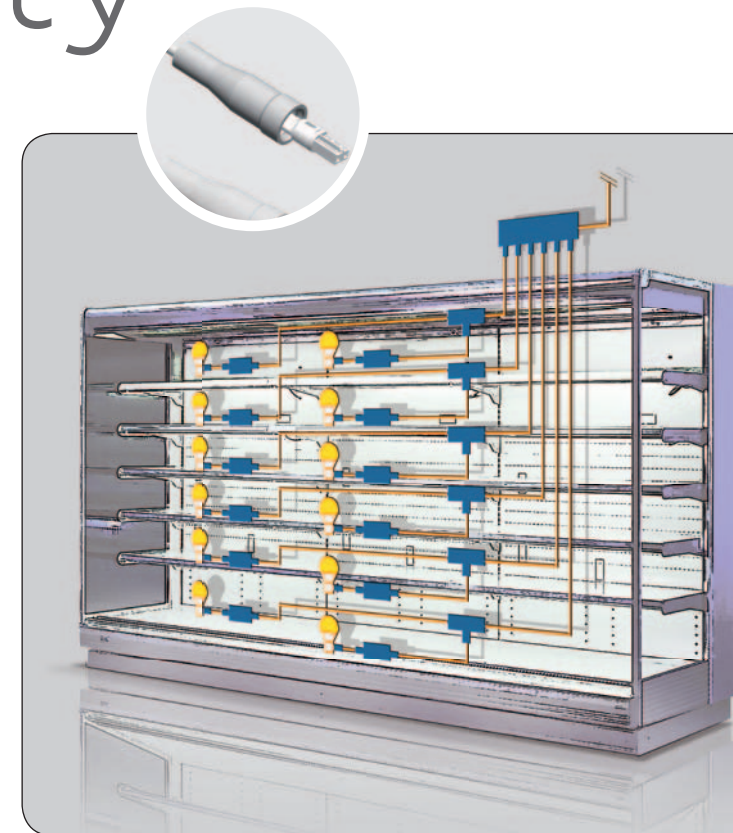
### Less use of space, energy, and design equals better lighting installations.

With the development of LEDs, lighting fixtures are now smaller in size and the possibilities of lighting are expanding. The NECTOR S Line connector can power small fixtures that are designed to fit into almost any space.

### Our connector goes places

Well balanced lighting inside a refrigerator or freezer system can increase sales. Products are more noticeable, more appealing and consequently they sell better. When you use the NECTOR S Line connector to power the lights inside your current conventionally-lit freezer or refrigerator case, you have the flexibility to quickly and easily change to a new LED lighting system.

In refrigerator or freezer applications, the sealed NECTOR S Line connector is easy to use. In both new and retrofit installations, its small size makes it almost invisible. The sealed NECTOR S Line connector system includes a range of easy-to-install, flexible products specifically designed for commercial refrigeration and freezer systems.



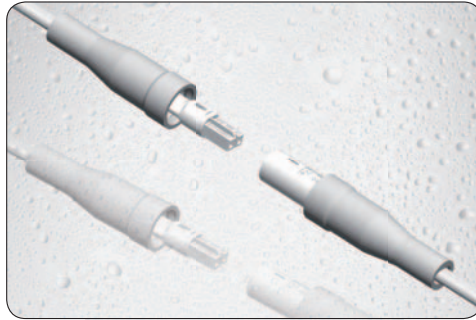
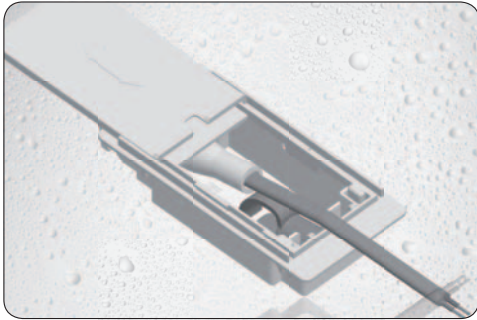
- Bus bar can be placed anywhere on the cable
- Multiple bus bars can be placed on the cable
- Sealed bus bar and sealed plug provide IP67 protection



Displays in a whole new light.



actual hole size  
fits a 7.5mm connector



## Upgrade your inventory.

### What you see is what you get

Customers want to take a good look at the products they are about to purchase. Supermarkets and department stores pay close attention to their overall use of lighting to ensure that the products on their shelves are noticeable. With refrigeration and freezer systems, good lighting is never easy to achieve. New systems are equipped with interior lighting that is optimized. Retrofitting an existing lighting system is a costly operation often not done unless other upgrades are needed.

### Upgrade now

When you use the NECTOR S Line connector to retrofit the lighting inside your current system, you have the opportunity to use the latest in interconnect and lighting technology. Not only will the products on your shelves look and sell better, but your store will look better too!



# NECTOR S Line Product details

## Cable Assembly Euro Style Cable

te.com/lighting

Cable Color ● Black ○ White



### Description

| Description   |      | S Line Plug to Outlet | S Line Plug to Pigtail | S Line Outlet to Pigtail |
|---|------|-----------------------|------------------------|--------------------------|
| <b>250 VAC</b><br>HV-1<br><br>Max. 2.5 Amp.          | 0.5m | 1-2083029-1 ●         | 1-2083031-1 ●          | 1-2083033-1 ●            |
|   | 1m   | 1-2083029-2 ●         | 1-2083031-2 ●          | 1-2083033-2 ●            |
|   | 1.5m | 1-2083029-3 ●         | 1-2083031-3 ●          | 1-2083033-3 ●            |
|   | 2m   | 1-2083029-4 ●         | 1-2083031-4 ●          | 1-2083033-4 ●            |
|   | 0.5m | 1-2083029-5 ○         | 1-2083031-5 ○          | 1-2083033-5 ○            |
|   | 1m   | 1-2083029-6 ○         | 1-2083031-6 ○          | 1-2083033-6 ○            |
|   | 1.5m | 1-2083029-7 ○         | 1-2083031-7 ○          | 1-2083033-7 ○            |
|   | 2m   | 1-2083029-8 ○         | 1-2083031-8 ○          | 1-2083033-8 ○            |
| <b>250 VAC</b><br>HV-2 (switch)<br><br>Max. 2.5 Amp. | 0.5m |                       | 2-2083031-1 ●          |                          |
|   | 1m   |                       | 2-2083031-2 ●          |                          |
|   | 1.5m |                       | 2-2083031-3 ●          |                          |
|   | 2m   |                       | 2-2083031-4 ●          |                          |
|   | 0.5m |                       | 2-2083031-5 ○          |                          |
|   | 1m   |                       | 2-2083031-6 ○          |                          |
|   | 1.5m |                       | 2-2083031-7 ○          |                          |
|   | 2m   |                       | 2-2083031-8 ○          |                          |
| <b>42 VAC</b><br>LV-1<br><br>Max. 7 Amp.           | 0.5m | 1-2083030-1 ●         | 1-2083032-1 ●          | 1-2083034-1 ●            |
|   | 1m   | 1-2083030-2 ●         | 1-2083032-2 ●          | 1-2083034-2 ●            |
|   | 1.5m | 1-2083030-3 ●         | 1-2083032-3 ●          | 1-2083034-3 ●            |
|   | 2m   | 1-2083030-4 ●         | 1-2083032-4 ●          | 1-2083034-4 ●            |
|   | 0.5m | 1-2083030-5 ○         | 1-2083032-5 ○          | 1-2083034-5 ○            |
|   | 1m   | 1-2083030-6 ○         | 1-2083032-6 ○          | 1-2083034-6 ○            |
|   | 1.5m | 1-2083030-7 ○         | 1-2083032-7 ○          | 1-2083034-7 ○            |
|   | 2m   | 1-2083030-8 ○         | 1-2083032-8 ○          | 1-2083034-8 ○            |
| <b>42 VDC</b><br>LV-2<br><br>Max. 7 Amp.           | 0.5m | 2-2083030-1 ●         | 2-2083032-1 ●          | 2-2083034-1 ●            |
|   | 1m   | 2-2083030-2 ●         | 2-2083032-2 ●          | 2-2083034-2 ●            |
|   | 1.5m | 2-2083030-3 ●         | 2-2083032-3 ●          | 2-2083034-3 ●            |
|   | 2m   | 2-2083030-4 ●         | 2-2083032-4 ●          | 2-2083034-4 ●            |
|   | 0.5m | 2-2083030-5 ○         | 2-2083032-5 ○          | 2-2083034-5 ○            |
|   | 1m   | 2-2083030-6 ○         | 2-2083032-6 ○          | 2-2083034-6 ○            |
|   | 1.5m | 2-2083030-7 ○         | 2-2083032-7 ○          | 2-2083034-7 ○            |
|   | 2m   | 2-2083030-8 ○         | 2-2083032-8 ○          | 2-2083034-8 ○            |

|    | S Line 6 Way Distributor Pigtail | S Line 6 Way Distributor Pigtail (switchable) |
|----|----------------------------------|---|
| 1m | 1-2083038-1 ●                    |   |
| 1m | 1-2083038-2 ○                    |   |
| 1m |                                  | 1-2083040-1 ●                                 |
| 1m |                                  | 1-2083040-2 ○                                 |
| 1m | 1-2083039-1 ●                    | 1-2083041-1 ●                                 |
| 1m | 1-2083039-2 ○                    | 1-2083041-2 ○                                 |
| 1m | 2-2083039-1 ●                    | 2-2083041-1 ●                                 |
| 1m | 2-2083039-2 ○                    | 2-2083041-2 ○                                 |

|      | S Line Outlet to Europlug | S Line 6 Way distributor to Europlug | S Line 6 Way Distributor to Europlug (switchable) |
|------|---------------------------|--------------------------------------|---|
| 1.8m | 1-2083035-1 ●             | 1-2083036-1 ●                        |   |
| 1.8m | 1-2083035-2 ○             | 1-2083036-2 ○                        |   |
| 1.8m |                           |                                      | 1-2083037-1 ●                                     |
| 1.8m |                           |                                      | 1-2083037-2 ○                                     |

actual hole size  
fits a 7.5mm connector



## Standard Components Euro Style

[te.com/lighting](http://te.com/lighting)



**Housing Color** ● Black ○ White ○ Light Grey ● Yellow T Transparent ● Red

| Description                     | Bus Bar With Fixing Hook |       | Bus Bar Without Fixing Hook |       | Splitter Parallel |       | Splitter Serial         |       | Outlet PCB Connector (straight version) |       | Outlet PCB Connector (straight angled version) |       | Plug PCB Connector (straight version) |       | Plug PCB Connector (straight angled version) |       |
|---------------------------------|--------------------------|-------|-----------------------------|-------|-------------------|-------|-------------------------|-------|---|-------|--|-------|---------------------------------------|-------|--|-------|
|                                 | Part No.                 | Color | Part No.                    | Color | Part No.          | Color | Part No.                | Color | Part No.                                | Color | Part No.                                       | Color | Part No.                              | Color | Part No.                                     | Color |
| <b>250 VAC</b><br>HV-1          | 293300-1                 | ○     | 293300-3                    | ○     | 293234-3          | ○     |                         |       | 293313-1                                | ○     | 293315-1                                       | ○     | 293308-1                              | ○     | 293311-1                                     | ○     |
|                                 | 293300-2                 | ●     | 293300-4                    | ●     | 293234-9          | ●     |                         |       | 293313-2                                | ●     | 293315-2                                       | ●     | 293308-2                              | ●     | 293311-2                                     | ●     |
|                                 | 293270-1 <sup>1</sup>    | ○     | 293270-3 <sup>1</sup>       | ○     |                   |       |                         |       | 293313-9 <sup>3</sup>                   | ○     | 293315-6 <sup>3</sup>                          | ○     |                                       |       |  |       |
|                                 | 293270-2 <sup>2</sup>    | ○     | 293270-4 <sup>2</sup>       | ○     |                   |       |                         |       | 1-293313-0 <sup>3</sup>                 | ●     | 293315-7 <sup>3</sup>                          | ●     |                                       |       |  |       |
| <b>250 VAC</b><br>HV-2 (switch) |                          |       |                             |       |                   |       |                         |       | 293313-8                                | ●     |  |       | 293308-4                              | ●     | 293311-4                                     | ●     |
|                                 |                          |       |                             |       |                   |       |                         |       |   |       |  |       |                                       |       |  |       |
|                                 |                          |       |                             |       |                   |       |                         |       |   |       |  |       |                                       |       |  |       |
| <b>42 VAC</b><br>LV-1           | 293300-9                 | ○     | 1-293300-0                  | ○     | 293234-7          | ○     |                         |       | 293313-4                                | ○     | 293315-4                                       | ○     | 293308-5                              | ○     | 293311-5                                     | ○     |
|                                 |                          |       |                             |       |                   |       |                         |       |   |       |  |       |                                       |       |  |       |
| <b>42 VDC</b><br>LV-2           | 1-293300-1               | ●     | 1-293300-2                  | ●     | 293234-8          | ●     | 293235-4 (LV2(LV2-LV2)) | ●     | 293313-5                                | ●     | 293315-5                                       | ●     | 293308-6                              | ●     | 293311-6                                     | ●     |
|                                 | 293270-5 <sup>1</sup>    |       | 293270-7 <sup>1</sup>       | ●     |                   |       |                         |       |   |       |  |       |                                       |       |  |       |
|                                 | 293270-6 <sup>2</sup>    |       | 293270-8 <sup>2</sup>       | ●     |                   |       |                         |       |   |       |  |       |                                       |       |  |       |

1: feed through sealed 2: end run sealed 3: gold plated contact

# NECTOR S Line Product details

|                |  |                            |
|----------------|--|----------------------------|
| <b>TOOLING</b> | Handtool for LP Crimp contacts (complete tool)                                 | 2-1579004-2                |
|                | Handgripper for Crimphead + Crimphead for LP Crimpcontacts (both parts needed) | 2-1579005-1<br>3-1579021-8 |
|                | Applicator for ST Crimpcontacts  | 9-541803-2                 |
|                | To be used on machine  | 1725950-6                  |
|                | Handtool for ring clip   | 3-1579002-1                |
|                | Contact Extraction tool  | 1-1579007-4                |

tools for components on this page

## Loose Piece Components Euro style

NECTOR S Line is acc IEC 60320. For more technical specifications go to [te.com/lighting](http://te.com/lighting)



| Description                  | Outlet Housing<br>(to be used with pin contact) |             | Pin Contact             | Tube H03 VVH2 | Ring Clip   | Plug Housing<br>(to be used with socket contact) |             | Socket Contact          | Tube H03 VVH2 | Ring Clip   | Panel Mount Outlet<br>(to be used with pin contact) | Pin Contact             |
|------------------------------|---|-------------|-------------------------|---------------|-------------|--|-------------|-------------------------|---------------|-------------|---|-------------------------|
|                              | <b>250 VAC HV-1</b>                             | 1740262-1 ○ | 1740262-2 ●             |               |             |  | 1740259-1 ○ | 1740259-2 ●             |               |             |   |                         |
| <b>250 VAC HV-2 (switch)</b> |   |             | 1740335-1 (unplated)    | 1740260-1 ○   | 1740261-1 ○ | 1740259-5 ●                                      |             | 1740336-1 (unplated)    | 1740260-1 ○   | 1740261-1 ○ |   | 1740335-1 (unplated)    |
|                              |   |             | 1740335-4 (tin plated)  | 1740260-2 ●   | 1740261-2 ● |  |             | 1740336-4 (tin plated)  | 1740260-2 ●   | 1740261-2 ● |   | 1740335-4 (tin plated)  |
| <b>42 VAC LV-1</b>           | 1740451-1 ○                                     |             | 1740335-7 (gold plated) |               |             | 1740449-1 ○                                      |             | 1740336-7 (gold plated) |               |             |   | 1740335-7 (gold plated) |
| <b>42 VDC LV-2</b>           | 1740451-2 ●                                     |             |                         |               |             | 1740449-2 ●                                      |             |                         |               |             | 293224-5 ○  |                         |
|                              |   |             |                         |               |             |  |             |                         |               |             | 293224-6 ●  |                         |

| Description                  | 6 Way Distributor Body |             | Cover       | 6 Way Distributor Body<br>(switchable, to be used with coding ring) | Coding Ring | Cover       | IP Boot<br>(to be used on plug and outlet) | Wall Outlet Assembly<br>(inclusive blind boot) | Wall Outlet Frame Assembly | Chassis Mount Frame<br>(Panel thickness 0.5mm to 1.5mm) | Chassis Mount Housing Support<br>(to be used with chassis mount frame) |
|------------------------------|------------------------|-------------|-------------|---|-------------|-------------|--|--|----------------------------|---|--|
|                              | <b>250 VAC HV-1</b>    | 1740317-1 ○ | 1740317-3 ● |   | 1740317-2 ○ |             |  |  |                            |   |  |
| <b>250 VAC HV-2 (switch)</b> |                        |             | 1740315-1 ○ | 1740317-4 ●   |             |             |  |  | 293286-1 ○                 | 293302-1 ○  | 293303-1 ○   |
|                              |                        |             | 1740315-2 ● |   | 1740316-1 ● | 1740315-1 ○ | 293284-1                                   | 293285-1 ○                                     | 293286-2 ○                 |   |  |
| <b>42 VAC LV-1</b>           | 1740317-7 ○            |             |             | 1740317-8 ○   |             | 1740315-2 ● |  |  | 293286-3 ●                 |   |  |
| <b>42 VDC LV-2</b>           | 1740317-9 ●            |             |             | 1-1740317-1 ●   |             |             |  |  |                            |   |  |

actual hole size  
fits a 7.5mm connector



## 4 Pole Version Euro style

NECTOR S Line is acc IEC 60320. For more technical specifications go to [te.com/lighting](http://te.com/lighting)



### Connectors

|           |  PCB |  Male (socket) Kit<br>For Pins (to be used<br>with pin contact) |  Female (plug) Kit<br>For Socket (to be<br>used with socket<br>contact) |
|-----------|---|--|---|
| Key Gray  |   | 293412-3   | 293411-3  |
| Key White | 293415-1  | 293412-1   | 293411-1  |
| Key Black | 293415-2  | 293412-2   | 293411-2  |



Pin contact



Socket contact

Tool

|                                   | Pin contact | Socket contact | Tool                |
|-----------------------------------|-------------|----------------|---------------------|
| Loose piece                       | 166293-1    | 166291-1       | 169341-1 or 91503-1 |
| Small reel for reel fed Hand tool | 5-166053-1  | 5-166051-1     | 169424-1            |
| Large reel for applicator         | 166053-1    | 166051-1       | SC-15 (on request)  |

### Cable Assembly - 4 Pole

#### Female - Female

|      |             |   |
|------|-------------|---|
| 0.5m | 1-2083115-1 | ● |
| 1m   | 1-2083115-2 | ● |
| 1.5m | 1-2083115-3 | ● |
| 2m   | 1-2083115-4 | ● |
| 2.5m | 1-2083115-5 | ● |
| 0.5m | 2-2083115-1 | ○ |
| 1m   | 2-2083115-2 | ○ |
| 1.5m | 2-2083115-3 | ○ |
| 2m   | 2-2083115-4 | ○ |
| 2.5m | 2-2083115-5 | ○ |

### Cable Assembly - 4 Pole

#### Male - Female

|    |             |   |
|----|-------------|---|
| 2m | 1-2083116-1 | ● |
| 4m | 1-2083116-2 | ● |
| 2m | 2-2083116-1 | ○ |
| 4m | 2-2083116-2 | ○ |

# NECTOR S Line Product details





## Cable Assemblies UL Style Cable

Cable assemblies will be made with **SPT-2** and **SVT** cable

[te.com/lighting](http://te.com/lighting)



Cable Color ○ White

| Description  | SPT-2                 |                        |                          | SVT                   |                        |                          |
|--|-----------------------|------------------------|--------------------------|-----------------------|------------------------|--------------------------|
|  | S Line Plug to Outlet | S Line Plug to Pigtail | S Line Outlet to Pigtail | S Line Plug to Outlet | S Line Plug to Pigtail | S Line Outlet to Pigtail |
| <b>125 VAC</b><br>switch lead<br>HV-2 Max. 6 Amp.<br> | 2ft                   |                        | 2181148-1 ○              |                       |                        |                          |
|  | 4ft                   |                        | 2181148-2 ○              |                       |                        |                          |
|  | 6ft                   |                        | 2181148-3 ○              |                       |                        |                          |
|  | 8ft                   |                        | 2181148-4 ○              |                       |                        |                          |
|  | 10ft                  |                        | 2181148-5 ○              |                       |                        |                          |
|  | 12ft                  |                        | 2181148-6 ○              |                       |                        |                          |
|  | 14ft                  |                        | 2181148-7 ○              |                       |                        |                          |
|  | 16ft                  |                        | 2181148-8 ○              |                       |                        |                          |
| <b>125 VAC</b><br>HV-3<br>Max. 6 Amp.<br>            | 2ft                   | 2181143-1 ○            | 2181193-1 ○              | 2181196-1 ○           |                        |                          |
|  | 4ft                   | 2181143-2 ○            | 2181193-2 ○              | 2181196-2 ○           |                        |                          |
|  | 6ft                   | 2181143-3 ○            | 2181193-3 ○              | 2181196-3 ○           |                        |                          |
|  | 8ft                   | 2181143-4 ○            | 2181193-4 ○              | 2181196-4 ○           |                        |                          |
|  | 10ft                  | 2181143-5 ○            | 2181193-5 ○              | 2181196-5 ○           |                        |                          |
|  | 12ft                  | 2181143-6 ○            | 2181193-6 ○              | 2181196-6 ○           |                        |                          |
|  | 14ft                  | 2181143-7 ○            | 2181193-7 ○              | 2181196-7 ○           |                        |                          |
|  | 16ft                  | 2181143-8 ○            | 2181193-8 ○              | 2181196-8 ○           |                        |                          |
| <b>125 VAC</b><br>HV-4<br>Max. 6 Amp.<br>           | 2ft                   | 2181191-1 ○            | 2181194-1 ○              | 2181197-1 ○           |                        |                          |
|  | 4ft                   | 2181191-2 ○            | 2181194-2 ○              | 2181197-2 ○           |                        |                          |
|  | 6ft                   | 2181191-3 ○            | 2181194-3 ○              | 2181197-3 ○           |                        |                          |
|  | 8ft                   | 2181191-4 ○            | 2181194-4 ○              | 2181197-4 ○           |                        |                          |
|  | 10ft                  | 2181191-5 ○            | 2181194-5 ○              | 2181197-5 ○           |                        |                          |
|  | 12ft                  | 2181191-6 ○            | 2181194-6 ○              | 2181197-6 ○           |                        |                          |
|  | 14ft                  | 2181191-7 ○            | 2181194-7 ○              | 2181197-7 ○           |                        |                          |
|  | 16ft                  | 2181191-8 ○            | 2181194-8 ○              | 2181197-8 ○           |                        |                          |
| <b>42 VDC</b><br>LV-2<br>Max. 7 Amp.<br>            | 2ft                   | 2181192-1 ○            | 2181195-1 ○              | 2181198-1 ○           |                        |                          |
|  | 4ft                   | 2181192-2 ○            | 2181195-2 ○              | 2181198-2 ○           |                        |                          |
|  | 6ft                   | 2181192-3 ○            | 2181195-3 ○              | 2181198-3 ○           |                        |                          |
|  | 8ft                   | 2181192-4 ○            | 2181195-4 ○              | 2181198-4 ○           |                        |                          |
|  | 10ft                  | 2181192-5 ○            | 2181195-5 ○              | 2181198-5 ○           |                        |                          |
|  | 12ft                  | 2181192-6 ○            | 2181195-6 ○              | 2181198-6 ○           |                        |                          |
|  | 14ft                  | 2181192-7 ○            | 2181195-7 ○              | 2181198-7 ○           |                        |                          |
|  | 16ft                  | 2181192-8 ○            | 2181195-8 ○              | 2181198-8 ○           |                        |                          |
|  |                       |                        |                          | 2-2083073-1 ○         | 2-2083075-1 ○          | 2-2083077-1 ○            |
|  |                       |                        |                          | 2-2083073-2 ○         | 2-2083075-2 ○          | 2-2083077-2 ○            |
|  |                       |                        |                          | 2-2083073-3 ○         | 2-2083075-3 ○          | 2-2083077-3 ○            |
|  |                       |                        |                          | 2-2083073-4 ○         | 2-2083075-4 ○          | 2-2083077-4 ○            |
|  |                       |                        |                          | 2-2083073-5 ○         | 2-2083075-5 ○          | 2-2083077-5 ○            |
|  |                       |                        |                          | 2-2083073-6 ○         | 2-2083075-6 ○          | 2-2083077-6 ○            |
|  |                       |                        |                          | 2-2083073-7 ○         | 2-2083075-7 ○          | 2-2083077-7 ○            |
|  |                       |                        |                          | 2-2083073-8 ○         | 2-2083075-8 ○          | 2-2083077-8 ○            |

actual hole size  
fits a 7.5mm connector












## Cable Assemblies UL Style Cable

Cable assemblies will be made with **SVT** cable



**Description**

**Cable Color** ○ White

| Description  |      | Cable Color   |   |   |  |   |                           |   |
|--|------|---|---|---|--|---|---------------------------|---|
|  |      | ○ White   | ○ White   | ○ White   | ○ White  | ○ White   | ○ White                   |   |
|  |      | <br>S Line<br>6 Way Distributor<br>Pigtail | <br>S Line<br>6 Way Distributor<br>Pigtail<br>(switchable) | <br>S Line<br>Outlet to Powerplug | <br>S Line<br>6 Way Distributor<br>to Powerplug | <br>NS Line<br>6 Way distributor<br>to Powerplug<br>(switchable) |                           |   |
| <b>125 VAC</b><br>switch lead<br>HV-2 Max. 6 Amp.<br> | 2ft  |   |   |   |  |   |                           |   |
|  | 4ft  |   |   |   |  |   |                           |   |
|  | 6ft  |   |   |   |  |   |                           |   |
|  | 8ft  |   |   |   |  |   | 1-2083084-1 (HV2-6xHV3) ○ |   |
|  | 10ft |   |   |   |  |   |                           |   |
|  | 12ft |   |   |   |  |   |                           |   |
|  | 14ft |   |   |   |  |   |                           |   |
| <b>125 VAC</b><br>HV-3<br>Max. 6 Amp.<br>            | 2ft  |   |   |   |  |   |                           |   |
|  | 4ft  |   |   |   |  |   |                           |   |
|  | 6ft  |   |   |   |  |   |                           |   |
|  | 8ft  | 1-2083078-1   | ○   |   | 1-2083082-1  | ○   | 1-2083083-1               | ○ |
|  | 10ft |   |   |   |  |   |                           |   |
|  | 12ft |   |   |   |  |   |                           |   |
|  | 14ft |   |   |   |  |   |                           |   |
| <b>125 VAC</b><br>HV-4<br>Max. 6 Amp.<br>           | 2ft  |   |   |   |  |   |                           |   |
|  | 4ft  |   |   |   |  |   |                           |   |
|  | 6ft  |   |   |   |  |   |                           |   |
|  | 8ft  |   |   |   | 2-2083082-1  | ○   |                           |   |
|  | 10ft |   |   |   |  |   |                           |   |
|  | 12ft |   |   |   |  |   |                           |   |
|  | 14ft |   |   |   |  |   |                           |   |
| <b>42 VDC</b><br>LV-2<br>Max. 7 Amp.<br>            | 2ft  |   |   |   |  |   |                           |   |
|  | 4ft  |   |   |   |  |   |                           |   |
|  | 6ft  |   |   |   |  |   |                           |   |
|  | 8ft  | 1-2083079-1   | ○   | 1-2083081-1 (HV2-6xLV2)   | ○  |   |                           |   |
|  | 10ft |   |   |   |  |   |                           |   |
|  | 12ft |   |   |   |  |   |                           |   |
|  | 14ft |   |   |   |  |   |                           |   |
| 16ft   |      |   |   |   |  |   |                           |   |

# NECTOR S Line Product details

|                         |  |             |
|-------------------------|--|-------------|
| <b>TOOLING</b>          | Handtool for LP Crimp contacts (complete tool)     | 2-1579004-2 |
|                         | Handgripper for Crimphead *                        | 2-1579005-1 |
|                         | Crimphead for LP Crimpcontacts (both parts needed) | 3-1579021-8 |
|                         | Applicator for ST Crimpcontacts                    | 9-541803-2  |
|                         | To be used on machine                              | 1725950-6   |
|                         | Handtool for ring clip                             | 3-1579002-1 |
| Contact Extraction tool | 1-1579007-4  |             |

tools for components on this page

## Standard Components UL Style

For more technical specifications go to [te.com/lighting](http://te.com/lighting)



Description



Splitter Parallel



Splitter Serial



Outlet PCB Connector  
straight version



Outlet PCB Connector  
straight angled version



Plug PCB Connector  
straight version



Plug PCB Connector  
straight angled version

Housing Color  White

| Description  | Splitter Parallel | Splitter Serial  | Outlet PCB Connector<br>straight version | Outlet PCB Connector<br>straight angled version | Plug PCB Connector<br>straight version | Plug PCB Connector<br>straight angled version |
|--|-------------------|--|--|---|--|---|
| <b>125 VAC</b><br>HV-2 (switc<br> |                   | 293649-1 (HV4-(HV4/HV2))<br>○<br>293649-2 (LV2-(LV2/HV2))<br>○ | 293653-1<br>○                            | 293652-1<br>○                                   | 293655-1<br>○                          | 293654-1<br>○                                 |
|  |                   |  |  |   |  |   |
| <b>125 VAC</b><br>HV-3<br>        | 293650-2<br>○     |  | 293653-2<br>○                            | 293652-2<br>○                                   | 293655-2<br>○                          | 293654-2<br>○                                 |
|  |                   |  |  |   |  |   |
| <b>125 VAC</b><br>HV-4<br>      | 293650-1<br>○     | 293649-1 (HV4-(HV4/HV2))<br>○                                  | 293653-3<br>○                            | 293652-3<br>○                                   | 293655-3<br>○                          | 293654-3<br>○                                 |
|  |                   |  |  |   |  |   |
| <b>125 VAC</b><br>HV-5<br>      | 293650-3<br>○     |  | 293653-4<br>○                            | 293652-4<br>○                                   | 293655-4<br>○                          | 293654-4<br>○                                 |
|  |                   |  |  |   |  |   |
| <b>42 VDC</b><br>LV-2<br>       | 293650-4<br>○     | 293649-2 (LV2-(LV2/HV2))<br>○                                  | 293653-5<br>○                            | 293652-5<br>○                                   | 293655-5<br>○                          | 293654-5<br>○                                 |
|  |                   |  |  |   |  |   |



actual hole size  
fits a 7.5mm connector



## Loose Piece Components UL style

For more technical specifications go to [te.com/lighting](http://te.com/lighting)



| Description              | Outlet Housing<br>(to be used with pin contact) | Pin Contact<br>(tin plated) | Tube SVT<br>Style Cable | Plug Housing<br>(to be used with socket contact) | Socket Contact<br>(tin plated) | Tube SVT<br>Style Cable | Panel Mount<br>Outlet (to be used with pin contact) | Pin Contact<br>(tin plated) | Tube SPT-2<br>Style Cable<br>(alternative for tube SVT) |
|--------------------------|---|-----------------------------|-------------------------|--|--------------------------------|-------------------------|---|-----------------------------|---|
| 125 VAC<br>HV-2 (switch) |   |                             |                         | 293388-1   | ○                              |                         |   |                             |   |
| 125 VAC<br>HV-3          | 293387-1  | ○                           |                         | 293388-2   | ○                              |                         |   |                             |   |
| 125 VAC<br>HV-4          | 293387-2  | ○                           | 293389-1                | 293388-2   | ○                              | 293390-1                | 293359-1  | 293358-1                    | 293359-1  |
| 125 VAC<br>HV-5          | 293387-3  | ○                           |                         | 293388-4   | ○                              |                         |   |                             |   |
| 42 VDC<br>LV-2           | 293387-4  | ○                           |                         | 293388-5   | ○                              |                         | 293648-2  | ○                           |   |

| Description              | 6 Way Distributor Body<br>(switchable, to be used with coding ring) | Coding Ring | Cover    | 6 Way Distributor Body | Cover    | Bridge Connector   |
|--------------------------|---|-------------|----------|------------------------|----------|--------------------|
| 125 VAC<br>HV-2 (switch) |   |             |          |                        |          |                    |
| 125 VAC<br>HV-3          | 293651-2 (HV3 (6X) + HV2)   | ○           |          | 293651-1               | ○        |                    |
| 125 VAC<br>HV-4          |   | 1740316-1   | 293587-1 |                        | 293587-1 | 293647-1 (HV4-HV5) |
| 125 VAC<br>HV-5          |   |             |          |                        |          | 293647-1 (HV4-HV5) |
| 42 VDC<br>LV-2           | 293651-4 (LV2 (6X) + HV2)   | ○           |          | 293651-3               | ○        |                    |

# NECTOR S Line Product details

## 4 Pole Version UL Style

For more technical specifications go to [te.com/lighting](http://te.com/lighting)

|   |   |  |  |
|---|---|--|--|
|  | <br><b>PCB</b> | <br><b>Male (socket) Kit for Pins</b> (to be used with pin contact) | <br><b>Female (plug) Kit for Socket</b> (to be used with socket contact) |
| Key Gray  |   | 293703-3   | 293702-3   |
| Key White   | 293415-1  | 293703-1   | 293702-1   |
| Key Black   | 293415-2  | 293703-2   | 293702-2   |

Note that Grey key is different from Black & White

|                                   |   |  |                     |
|-----------------------------------|---|--|---------------------|
|                                   | <br><b>Pin Contact</b> | <br><b>Socket Contact</b> | <b>Tool</b>         |
| Loose piece                       | 166293-1  | 166291-1   | 169341-1 or 91503-1 |
| Small reel for reel fed Hand tool | 5-166053-1  | 5-166051-1   | 169424-1            |
| Large reel for applicator         | 166053-1  | 166051-1   | SC-15 (on request)  |

| <b>Cable Assembly - 4 pole</b> | <b>Female - Female</b> |   |
|--------------------------------|------------------------|---|
| 2ft                            | 1-2083135-1            | ● |
| 4ft                            | 1-2083135-2            | ● |
| 8ft                            | 1-2083135-3            | ● |
| 12ft                           | 1-2083135-4            | ● |
| 16ft                           | 1-2083135-5            | ● |
| 2ft                            | 2-2083135-1            | ○ |
| 4ft                            | 2-2083135-2            | ○ |
| 8ft                            | 2-2083135-3            | ○ |
| 12ft                           | 2-2083135-4            | ○ |
| 16ft                           | 2-2083135-5            | ○ |

|      | <b>Male - Female</b> |   |
|------|----------------------|---|
| 8ft  | 1-2083136-1          | ● |
| 12ft | 1-2083136-2          | ● |
| 8ft  | 2-2083136-1          | ○ |
| 12ft | 2-2083136-2          | ○ |

actual hole size  
fits a 7.5mm connector



## TE Connectivity Assembly Instructions

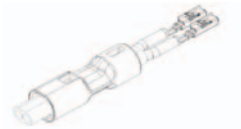
[te.com/lighting](http://te.com/lighting)

### Assembly Instructions Euro Style



**Step 1**

Slide the tube on the cable.



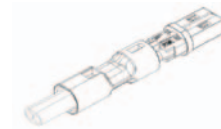
**Step 2**

Crimp the contacts on the wire.



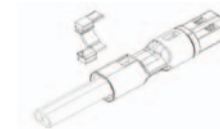
**Step 3**

Slide the housing on the contacts.



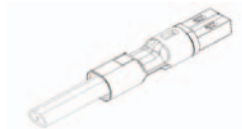
**Step 4**

Slide the tube on the housing.



**Step 5**

Position the ringclip on the tube and push.



**Ready!**

Remove the ringclip strain.

### Assembly Instructions UL Style SVT



**Step 1**

Slide the tube on the cable.



**Step 2**

Crimp the contacts on the wire.



**Step 3**

Slide the housing on the contacts.



**Step 4**

Slide the tube on the housing.

### Technical Documents : Nector S Line

|                           | Euro style             | UL style  |
|---------------------------|------------------------|-----------|
| Product specification     | 108-94018              | 108-20294 |
| Application specification | 114-18751              | 114-20140 |
| Approvals                 | DIN EN IEC 60320 (VDE) | UL1977    |

### Assembly Instructions SPT-2



**Step 1**

Slide the tube on the cable.



**Step 2**

Crimp the contacts on the wire.



**Step 3**

Slide the housing on the contacts.



**Step 4**

Slide the tube on the housing.

## FOR MORE INFORMATION

[te.com/lighting](http://te.com/lighting)

### TE Technical Support

|                      |  |
|----------------------|--|
| Internet:            | <a href="http://te.com/help">te.com/help</a> |
| USA:                 | +1 (800) 522-6752                            |
| Canada:              | +1 (905) 475-6222                            |
| Mexico:              | +52 (0) 55-1106-0800                         |
| Latin/South America: | +54 (0) 11-4733-2200                         |
| Germany:             | +49 (0) 6251-133-1999                        |
| UK:                  | +44 (0) 800-267266                           |
| France:              | +33 (0) 1-3420-8686                          |
| Netherlands:         | +31 (0) 73-6246-999                          |
| China:               | +86 (0) 400-820-6015                         |

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\*as defined at [te.com/leadfree](http://te.com/leadfree)

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