

# Flex Connex Tape/Flex Light Connector System

## Product Details

- Simple snap connectors provide a quick and custom field installation
- Compatible with many of ITC's flexible lighting products
- The minimal profile of the light and connectors allow for installation in small spaces
- Snap connectors and multiple connecting options enable future lighting re-configurations

## Compatible Tape/Flex Light Products

(For product details see technical specifications for each tape/flex light option)

### Standard Options



Astra (TPB & TPE) 12V

### Watertight Options



Elara (RBLL) 12V Watertight Flex Light

## Connector Options (see spec guide for part numbers)



12" Tape to Wire



3" Tape to Barrel Connector



3" Tape to Tape

Patent #10,125,964

## Connector Options Cont. (see spec guide for part numbers)



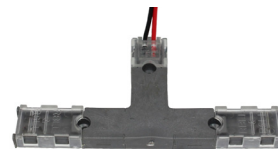
6" Tape to Tape



Tape to Tape



90° Tape to Tape



2-Way Connector



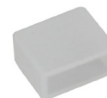
3-Way Connector



Tape Light Seal  
(TPB only)



Heat Shrink Tube  
(RBLL only)



Finished End Cap  
(RBLL only)



## Specification Guide: Flex Connex

**Sample Part #: TPB1230-55012**

Light Style (VVVV).....  
 Voltage (WW) .....  
 Color Temperature (XX) .....  
 Roll Length (YYY) .....  
 Wire Length (ZZ) .....

**A** Determine the style and voltage of tape/flex light needed  
 (see individual tape/flex light product pages for technical specifications)

| Description                                     | Light Style | Voltage |
|---|-------------|---------|
| Astra Tape Light<br>TPB12KK-55012/TPE12KK-55012 | TPB/TPE     | 12      |
| Elara Watertight Flex Light<br>RBLL12KK-67096   | RBLL        | 12      |

\* Does not work with high output option

**B** Determine the desired color temperature

| Color Temperature | 12V     |      | Part # |
|-------------------|---------|------|--------|
|                   | TPB/TPE | RBLL |        |
| 3000K             | TPB/TPE | RBLL | 30     |
| 6300K             | TPB/TPE | RBLL | 63     |
| Amber             | TPB/TPE | RBLL | AM     |
| Blue              | TPB/TPE | RBLL | BL     |
| Red               | TPB/TPE | RBLL | RD     |
| Green             | TPB/TPE |      | GR     |

**C** Determine the overall length needed for the installation. Using the chart below confirm the number of full rolls needed.

| Light Style                     | Roll Length    | Cut Increment |
|---------------------------------|----------------|---------------|
| Astra 12V Tape Light            | 550 cm (18 ft) | 5 cm          |
| Elara 12V Watertight Flex Light | 670cm (22 ft)  | 5 cm          |



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## Specification Guide Continued: Flex Connex

**D** Determine which connectors are needed for the installation

| Connector  | TPB         | RBLL             |
|--|-------------|------------------|
| 3" Tape to Wire  | N/A         | N/A              |
| 12" Tape to Wire   | TC-I12-TPB  | TC-I12-RBLL/RSLL |
| 3" Tape to Barrel Connector  | TC-E03-TPD  | TC-E03-RBLL/RSLL |
| 3" Tape to Tape  | TC-TPBD03   | TC-RB03          |
| 6" Tape to Tape  | TC-TPBD06   | TC-RB06          |
| Tape to Tape   | TC-2XTPBTPD | TC-2XRBLRSLL     |
| 90° Tape to Tape   | TC-90TPBD   | TC-90RB          |
| 2-Way Connector  | TC-I2WTB    | N/A              |
| 3-Way Connector  | TC-I3WTB    | N/A              |
| Tape Light Seal  | 600-00045   | N/A              |
| Heat Shrink Tube   | TC-SEAL-S   | TC-SEAL-S        |
| Finished End Cap   | N/A         | 440-00062        |
| Finishing Kit (Includes 40 finished end caps, 40 heat shrink tubes & silicone sealant) | N/A         | 810-00066        |

**E** Determine which mounting channel is needed  
*(Note: If specifying TPB tape light, channel is not required for installation. The light comes with a 3M adhesive tape on the back side. Mounting channel available in 72 inch lengths)*

### TPB Channel



TPB-1 - Black plastic, screw mount



TPB-2 - Clear plastic, screw mount

### RBLL Channel



RBLL-1 - Black plastic, adhesive mount

RBLL-2 - Black plastic, screw mount



RBLL-4 - White, adhesive mount

RBLL-5 - White plastic, screw mount