

## CoolSplice Connectors

TE CoolSplice connectors are designed to connect a pair of discrete wires, or a twin cord cable in line to a pair of discrete wires or twin cord cables. The insulation displacement, free hanging connectors accepts either 18 AWG or 20-22 AWG stranded or solid wire in unsealed and sealed, color coded configurations.

The TE CoolSplice connectors eliminate the need to pre-strip the insulation from the wire conductors and provides a visual controlled termination. The push connect buttons provide a more ergonomic wire termination than conventional twist-on-wire connectors/nuts (marrettes). The slim, symmetrical contoured, snag resistant connectors fit through a 16.00mm [0.630] diameter hole or pvc tube.

### KEY FEATURES

- Simple push button termination
- Reliable and proven insulation displacement technology
- Terminates either 18 AWG [0.82mm square] or 20-22 AWG [0.52mm squared - 0.33mm squared] stranded or solid wire
- Left/right side independent terminations
- Available in unsealed and sealed versions
- IP65 and IP67 rating
- Slim-symmetrical glossy appearance
- Visually controlled termination
- UV stabilized material

### APPLICATIONS

- Outdoor architectural lighting
- Commercial display cabinets lighting
- Commercial refrigeration lighting
- Residential and office furniture lighting
- Security/alarm systems

### MECHANICAL

- -40°C to +85°C continuous operating temperature
- Terminates either 18 AWG [0.82mm square] or 20-22 AWG [0.52mm squared - 0.33mm squared] stranded and solid wire
- Accepts 5.6mm [.220] to 7.4mm [.291] diameter cable
- Cable entry diameter: 7.6mm [.300]
- Wire entry diameter: 3.0mm [.118]
- IP65 and IP67 rating
- Fits within a 16mm [.630] diameter hole

### ELECTRICAL

- UL Current / Voltage Rating;
  - 18-20 AWG wire 5.0 A Max at 600 VAC/400 VDC
  - 22 AWG wire 3.5 A Max at 600 VAC/400 VDC
- Dielectric Withstand Voltage: 2000 VAC

### MATERIALS

- Tin plated, copper alloy insulation displacement contacts
- UL 94V0 rated materials



## AGENCY STANDARDS

- UL1977 and IEC 60998

## APPLICATIONS AND SPECIFICATIONS

- Application Specification # - 114-19136
- Product Specification # - 108-19419
- Customer Drawing # - 293545

## PRODUCT OFFERING

**293545-1:** Unsealed clear connector (green buttons), accepts 18 AWG wire

**293545-2:** Sealed clear connector (blue buttons), accepts 18 AWG wire

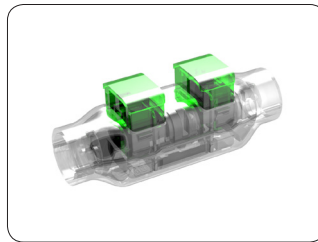
**293545-3:** Unsealed yellow connector (green buttons), accepts 20-22 AWG wire

**293545-4:** Sealed yellow connector (blue buttons), accepts 20-22 AWG wire

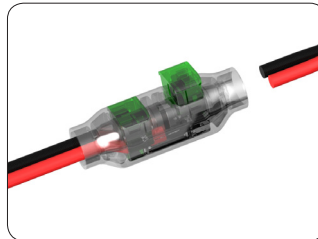
## APPLICATION TOOLING

Standard Pliers

## HOW CoolSplice CONNECTORS WORK



Open  
Buttons are up (as shipped)



Insert wire  
Press buttons to connect

