COOLSPLICE CONNECTORS

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TE Connectivity's (TE) CoolSplice Connector portfolio has been expanded to include connectors suitable for larger wire sizes (12 AWG to 18 AWG/4mm² to 2.5mm²). All CoolSplice connectors allow for push button termination using a common pair of pliers. Both wires are terminated independently for ease of use, and this feature allows for factory pre-termination of one wire and field termination of the second during installation. All CoolSplice connectors offer a gel-filled sealed version of the standard product extending use of CoolSplice into harsh environment applications requiring ingress protection from the elements. A thoughtful design includes a clear body material for visual inspection of the termination and to distinguish between our standard and sealed product. Red, yellow & blue color coded termination buttons take the guess work out of matching wire size to appropriate connector.



Applications

- Outdoor Lighting
 - Roadway Street and Area
- Signs and Building Façade
- Architectural
- Bridge and Tunnel
- Indoor Lighting Fixtures
- Wiring Harness Field Repairs

Electrical

- Current / Voltage Rating:
 - 12 AWG (4.0mm²) wire 20A Max at 600V
 - 14 AWG (2.5mm²) wire 15A Max at 600V
 - 16 AWG (1.5mm²) wire 15A Max at 600V
 - 18 AWG (0.75mm²) wire 10A Max at 600V
- Dielectric Withstanding Voltage: 3400 VAC

Mechanical

- Ambient temperature between -40 C and 75 C
- Operating temperature between -40 C and 105 C
- Suitable for 18 AWG to 12 AWG (0.75mm² 4.0mm²) solid and stranded (see product specifications)
- IP20, IPX5, IPX7 and IPX8 rating (2 hours, 1m under water)

Specifications

Product Specification: <u>108-133061</u>
 Application Specification: <u>114-133061</u>

Benefits

- Save installation time and eliminate the need to pre-strip wires with insulation displacement technology (IDC)
- Enable a waterproof solution with an IP rated splice
- Easy factory or field installation using independent left and right side push button termination
- Flexibility in multi-pair termination design with stacking feature

Product Compliance / Approvals

- IEC 60998-2-3
- UL 486C



Materials

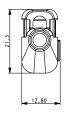
- Housing: Polycarbonate
- UL 94V-2
- UL 746C f1 rated
- Contact: Tin plated, copper alloy

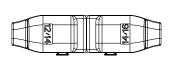


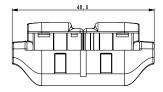
Product Selection Information

Description	Wire Size*	Sealed (Y/N)	Part Number**
CoolSplice Connector Large Wire	12/14 - 14/16 AWG 4.0/2.5 - 2.5/1.5 mm²	Y	2213600-1
CoolSplice Connector Large Wire	12/14 - 16/18 AWG 4.0/2.5 - 1.5/0.75 mm²	Y	2213600-2
CoolSplice Connector Large Wire	14/16 - 16/18 AWG 2.5/1.5 - 1.5/0.75 mm²	Y	2213600-3
CoolSplice Connector Large Wire	12/14 - 12/14 AWG 4.0/2.5 mm²	Y	2213600-7
CoolSplice Connector Large Wire	16/18 - 16/18 AWG	Y	2213600-8

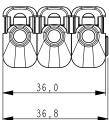
Dimensions

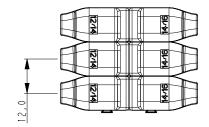


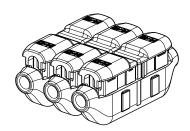












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^{*}Wire sizes corresponding to IEC60998-1
**Standard parts available on request (without gel)