

COOLSPICE CONNECTORS

LARGE WIRE

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:** [108-133061](#)
- **Application Specification:** [114-133061](#)

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

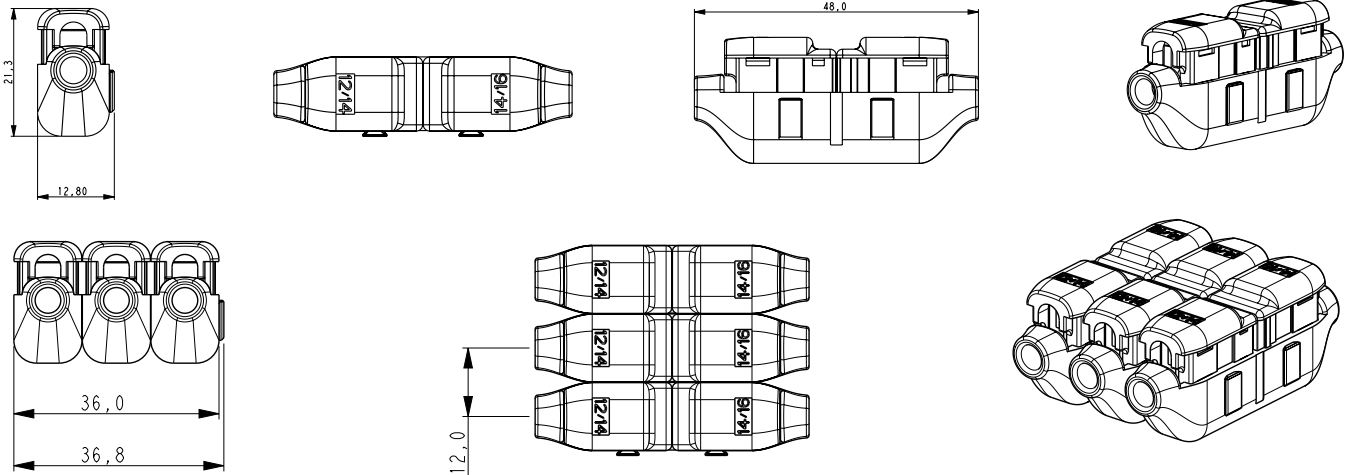
- **Housing:** Polycarbonate
 - UL 94V-2
 - UL 746C - f1 rated
- **Contact:** Tin plated, copper alloy

Product Selection Information

	Description	Wire Size*	Sealed (Y/N)	Part Number**
	CoolSplice Connector Large Wire	12/14 - 16/16 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

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

Dimensions



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