

# COOLSPICE QUICK CONNECT SPLICE



[CoolSplice](#) | [CoolSplice Connectors](#)

TE Model # CAT-C779-Q402

TE Internal #: CAT-C779-Q402

[View on TE.com >](#)

[Terminals & Splices > Splices](#)

CoolSplice Connectors are IPx8 rated in-line splices suitable for outdoor applications. Wire termination is done independently by inserting a wire into the end of the connector and pushing down the color coded button with a standard pair of pliers.



Product Type: **Wire Splice**

Terminal & Splice Type: **Splice**

Splice Features: **End Feed**

Splice Material: **Phosphor Bronze**

Splice Type: **In-line**

## **CoolSplice connectors elegantly combine reliability with ease of termination.**

No need for special tooling; a common pair of pliers is used to pushbutton terminate insulated wires into an insulation displacement crimp contact. Suitable for splicing 22 AWG to 12 AWG (0.34 mm<sup>2</sup> - 4.0 mm<sup>2</sup>) solid and stranded wire, the CoolSplice connectors enable an industry proven reliable connection. 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 gelfilled 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.

Download the relevant product flyer and connect with us for more information and samples.

## **CoolSplice connectors Standard series**

[Flyer: CoolSplice connector Standard series](#)

The CoolSplice connectors are easy to terminate, and suitable for splicing 22 AWG to 18 AWG (0.34 mm<sup>2</sup> - 0.75 mm<sup>2</sup>) solid and stranded wire. Through a push button and Insulation Displacement Technology (IDC), a common pair of pliers is used to terminate insulated wires making special tooling unnecessary and installation easy and fast. The CoolSplice connectors provide a reliable connection visually confirmed through the clear sidewall.

[Product Drawing: CoolSplice connector Standard series](#)



## CoolSplice connectors Large Wire series

[Flyer: CoolSplice connectors Large Wire series](#)

With these connectors, the CoolSplice connector portfolio has been expanded to include connectors suitable for larger wire sizes (18 AWG to 12 AWG (0.75 mm<sup>2</sup> - 4.0 mm<sup>2</sup>)). Red, yellow & blue color coded termination buttons take the guess work out of matching wire size to appropriate connector.

[Product Drawing: CoolSplice connector Large Wire series](#)

### Applications

- Roadway, Street and Area Lighting
- Signs and Building Façade Lighting
- Indoor Lighting Fixtures
- Wiring Harness Field Repairs
- Audio speaker connections
- Lighting in furniture
- Commercial refrigeration lighting
- Display and cabinet lighting
- Bridge and Tunnel Lighting
- Security and alarm systems
- Domotics (home automation)
- Wide range of other applications

### Key Benefits

- Easy factory or field installation using independent push button termination for left and right side of the connector
- Save installation time and eliminate the need to pre-strip wires with insulation displacement technology (IDC)
- Save installation time through a simple push button termination
- Enable a waterproof solution with an IPX5, IPX7 and IPX8 (2 hours, 1m under water) rated splice
- Terminates 22 AWG to 12 AWG (0.34 mm<sup>2</sup> - 4.0 mm<sup>2</sup>) solid and stranded wire

[CoolSplice Product Video \(English\)](#)

TE Connectivity's CoolSplice Connectors are IPx8 rated in-line splices suitable for outdoor applications. Wire termination is done independently by inserting a wire into the end of the connector and pushing down the color coded button with a standard pair of pliers. The connector is side-by-side stackable, enabling multi-position configurations.

## Features

### Product Type Features

Product Type	Wire Splice
Sealable	No, Yes
Splice Type	In-line
Serrated	No
Wire/Cable Type	Discrete Wire
Insulated	Yes
Support Style	Insulation Support

### Configuration Features

Splice Capacity	2, 4
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### Electrical Characteristics

Operating Voltage	400 VDC, 450V (IEC) / 600V (UL), 600 V, 600 VAC
Current Rating (A)	15, 20, 5

### Body Features

Button Color	Blue, Green, Red, Yellow
Splice Features	End Feed
Splice Material	Phosphor Bronze

### Contact Features

Terminal & Splice Type	Splice
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### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Wire Size (AWG)	12 - 14, 14 - 16, 16 - 18, 18, 22 - 20
Wire Size (mm <sup>2</sup> )	.34 - .52, .75, 1.5 - .75, 2.5 - 1.5, 4 - 2.5
Wire Insulation Diameter (Max) (mm)	2.85, 3.5, 4, 4.5
Wire Insulation Diameter (Max) (in)	.112, .138, .157, .177
Barrel Inside Diameter (mm)	4.5
Barrel Inside Diameter (in)	.175
Overall Length (mm)	36.4, 48
Overall Length (in)	1.433, 1.89

### Usage Conditions

UV Exposure Rated	F1, Yes
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Operating Temperature Range (°C)	-40 - 105
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Operating Temperature Range (°F)	-40 - 221
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### Operation/Application

Heavy Duty	No
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### Industry Standards

Agency/Standard	IEC, UL
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UL Flammability Rating	UL 94V-0, UL 94V-2
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Agency/Standard Number	IEC 60988-2-3, UL 1977, UL 2459, UL 486C
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Government Qualified	No
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### Packaging Features

Packaging Method	Box
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### Other

Comment	UL
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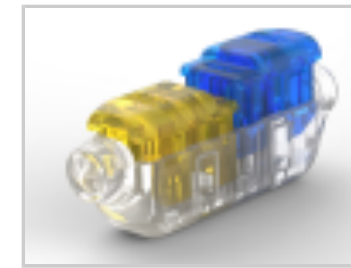
SEE PRODUCTS ON NEXT PAGE

# COOLSPLICE QUICK CONNECT SPLICE

TE Model # CAT-C779-Q402  
TE Internal #: CAT-C779-Q402



## Products (1 of 3)



**COOLSPLICE LW 12/14 TO 14/16 AWG**

**COOLSPLICE LW 12/14 TO 16/18 AWG**

**COOLSPLICE LW 12/14 TO 14/16 AWG, SEAL**

**COOLSPLICE NEW STANDARD**

TE Model / Part #	2213600-4	2213600-5	2213600-1	2213800-1
Wire Size	12 - 14 AWG, 14 - 16 AWG	12 - 14 AWG, 16 - 18 AWG	12 - 14 AWG, 14 - 16 AWG	18 AWG
Sealable	No	Yes	Yes	No
Splice Capacity	2	2	2	4
Wire Insulation Diameter (Max)	4 mm, 4.5 mm	3.5 mm, 4.5 mm	4 mm, 4.5 mm	2.85 mm
Barrel Inside Diameter	4.5 mm	4.5 mm	4.5 mm	
Overall Length	48 mm	48 mm	48 mm	36.4 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	CoolSplice	CoolSplice	CoolSplice	CoolSplice
Series	CoolSplice Connectors	CoolSplice Connectors	CoolSplice Connectors	CoolSplice Connectors

### \*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

### \*\*EU ELV Directive 2000/53/EC

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.

# COOLSPLICE QUICK CONNECT SPLICE

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## Products (2 of 3)



**COOLSPLICE LW 16/18 TO 16/18 AWG, SEAL**



**COOLSPLICE LW 14/16 TO 16/18 AWG, SEAL**



**COOLSPLICE NEW STANDARD**



**COOLSPLICE LW 12/14 TO 12/14 AWG, SEAL**

TE Model / Part #	2213600-8	2213600-3	2213800-3	2213600-7
Wire Size	16 - 18 AWG	14 - 16 AWG, 16 - 18 AWG	22 - 20 AWG	12 - 14 AWG
Sealable	Yes	Yes	No	Yes
Splice Capacity	2	2	4	2
Wire Insulation Diameter (Max)	3.5 mm	3.5 mm, 4.5 mm	2.85 mm	4.5 mm
Barrel Inside Diameter		4.5 mm		
Overall Length	48 mm	48 mm	36.4 mm	48 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	EU ELV Compliant	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	EU ELV Compliant
Product Families	CoolSplice	CoolSplice	CoolSplice	CoolSplice
Series	CoolSplice Connectors	CoolSplice Connectors	CoolSplice Connectors	CoolSplice Connectors

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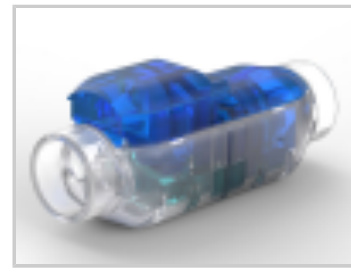
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## Products (3 of 3)



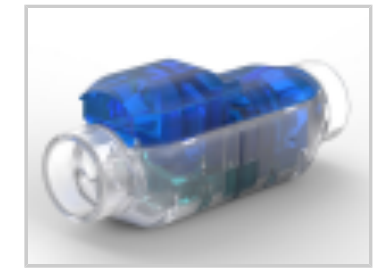
**COOLSPLICE NEW STANDARD**



**COOLSPLICE LW 12/14 TO 16/18 AWG, SEAL**



**COOLSPLICE LW 14/16 TO 16/18 AWG**



**COOLSPLICE NEW STANDARD**

TE Model / Part #	2213800-2	2213600-2	2213600-6	2213800-4
Wire Size	18 AWG	12 - 14 AWG, 16 - 18 AWG	14 - 16 AWG, 16 - 18 AWG	22 - 20 AWG
Sealable	Yes	Yes	No	Yes
Splice Capacity	4	2	2	4
Wire Insulation Diameter (Max)	2.85 mm	3.5 mm, 4.5 mm	3.5 mm, 4.5 mm	2.85 mm
Barrel Inside Diameter		4.5 mm	4.5 mm	
Overall Length	36.4 mm	48 mm	48 mm	36.4 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	CoolSplice	CoolSplice	CoolSplice	CoolSplice
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## Related Materials

### Data Sheet

[CoolSplice Large Wire](#)

Chinese (Simplified)

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### Data Sheet

[CoolSplice Large Wire](#)

English

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### Data Sheet

[CoolSplice Connector](#)

Chinese (Simplified)

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### Data Sheet

[CoolSplice Connector](#)

English

## Also in the Series | [CoolSplice Connectors](#)



Splices(12)