

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L13288-241-61506102-2
Report Reference E13288-20160516
Date 16-Sep-2020

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA
United States 17057

**This is to certify that
representative samples of**

ZMVV2 - Wire Connectors and Soldering Lugs -
Component
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 486A-486B, 3rd Ed., Issue Date: 2018-04-27, Revision Date: 2019-12-16

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L13288-241-61506102-2
Report Reference E13288-20160516
Date 16-Sep-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
1727497-5	Splicing wire connectors
1923890-2	Splicing wire connectors
2107832-1	Wire Connectors and Soldering Lugs
2832179-2	Wire Connectors and Soldering Lugs
BLMT-120/400 MK2-17	Wire Connectors and Soldering Lugs
BSMB-150/400	Wire Connectors and Soldering Lugs
BSMB-240/300	Splicing wire connectors
BSMV-240/300	Wire Connectors and Soldering Lugs



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L13288-541-61506102-2
Report Reference E13288-20160516
Date 16-Sep-2020

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA
United States 17057

**This is to certify that
representative samples of**

ZMVV8 - Wire Connectors and Soldering Lugs Certified for
Canada - Component

See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 NO. 65-18, 6th Ed., Issue Date: 2018-04-27,
Revision Date: 2019-12-16

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

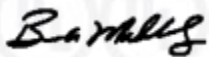


CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L13288-541-61506102-2
Report Reference E13288-20160516
Date 16-Sep-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
1727497-5	Splicing wire connectors
1923890-2	Splicing wire connectors
2107832-1	Wire Connectors and Soldering Lugs
2832179-2	Wire Connectors and Soldering Lugs
BLMT-120/400 MK2-17	Wire Connectors and Soldering Lugs
BSMB-150/400	Wire Connectors and Soldering Lugs
BSMB-240/300	Splicing wire connectors
BSMV-240/300	Wire Connectors and Soldering Lugs



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



DESCRIPTION

PRODUCT COVERED:

USR and CNR Recognized Component - Splicing Wire Connectors
 Cat. Nos. E05256N001, BSMB-35/150, 1727497-5, BSMB-240/300, 1923890-2, BSMV-240/300, **2832179-2**, **BLMT-120/400 MK2-17**, **2107832-1** and **BSMB-150/400**

GENERAL CHARACTER AND USE:

The devices described in this Report are of the following type.

Type of Wiring Termination -

Pressure screw type wire connector

WIRE RANGE:

Cat. No.	Wire type	ILL. No.	
		Body	Screw
1923890-2, BSMV-240/300	240mm ² copper flexible fine wire - Class 5	1	1
1727497-5, BSMB-240/300	240mm ² Class 5 flexible copper wire	4	4
BSMB-35/150, E05256N001	35mm ² to 70mm ² Class 2 stranded aluminum wire	6	6
	50mm ² to 70mm ² Class 5 flexible copper wires		
2832179-2 BLMT-150/400 MK2-17	300 mm² and 400 mm² stranded aluminum wire	7	7
2107832-1 BSMB-150/400	300 mm² and 400 mm² stranded aluminum wire	9	9

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

Products designated USR have been investigated using requirements contained in the Standard UL 486A-486B.

Products designated CNR have been investigated using requirements contained in CSA C22.2 No. 65 - 13.

RATINGS:

Torque -

Cat. No.	Wire (Size) (Range)	Torque Nm
1923890-2, BSMV- 240/300	240mm ² copper flexible fine wire Class 5	44 -2/+7
1727497-5, BSMB-240/300	240mm ² Class 5 flexible copper wire	28 - 37
*		
*E05256N001, BSMB- 35/150	35mm ² to 70mm ² Class 2 stranded aluminum wire	28 - 37
	50mm ² to 70mm ² Class 5 flexible copper wires	
2832179-2 BLMT-150/400 MK2-17	300 mm² and 400 mm² stranded aluminum wire	35 -47
2107832-1 BSMB-150/400	300 mm² and 400 mm² stranded aluminum wire	35 -47

Connector Temperature - 90 °C

Wire strip length - 65 mm for Cat. Nos. 1923890-2 and 1727497-5, BSMB-240/300.

Wire strip length - 35 mm for Cat. No. E05256N001.

Wire strip length - 80 mm for Cat. Nos. 2832179-2, BLMT-120/400 MK2-17, 2107832-1 and BSMB-150/400.

MODEL VARIATIONS:

Cat. No. E05256N001 is identical to Cat. No. BSMB-35/150 except for Cat. No. designation, assigned for commercial purposes only.

Cat. No. 1923890-2 is identical to Cat. No. BSMV-240/300 except for Cat. No. designation, assigned for commercial purposes only.

Cat. No. 1727497-5 is identical to Cat. No. BSMB-240/300 except for Cat. No. designation, assigned for commercial purposes only.

Conditions of Acceptability -

For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

1. The connector shall be prevented from turning by close fitting walls, turn preventive features or the equivalent.

* 2. **Cat. No. E05256N001 was subject to Current Cycling testing with stranded aluminum wire at an interpolated current of 291 Amps.**

*