

CERTIFICATE OF COMPLIANCE

Certificate Number E13288
Report Reference E13288-20121107
Issue Date 2020-JUNE-16

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

This certificate confirms that representative samples of WIRE CONNECTORS AND SOLDERING LUGS
See Addendum Page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.


Standard(s) for Safety: UL 486A-486B : Wire Connectors
CSA C22.2 No. 65 : Wire Connectors

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 Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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

USL, CNL - Shear Bolt connector – 1974144, 1974148, 1974142, 1974153, 1974139, 1974151, 1974155, 1974138-1, 1974141-1, 2182430-1, 2182732-1, 2182769-1, 2182352-1, ASBS 250-350-U, ASBT 250-350-U, ASBS 350-500-U, ASBT 350-500-U, ASBS 1000-U, ASBT-1000-N-U, ASBT 1000-U, ASBS 2-U, ASBS 2-4/0-U, ASBT 2-4/0-U, ASBR-350-500/1000-U, ASBR-250-350/350-500-U, ASBR-2-4/0/250-350-U, ASBS-3/0-500.

USL - Shear Bolt connector – Cat. No. 1974145, 1974146, 1974149, 2182770-1, 2182734-1, 1974146-1, ASBS 600-750-U, ASBS 350-500/600-750-U, ASBT 600-750-U, ASBR-250-350/600-750-U, ASBR-600-750/1000-U, ASBR-350-500/600-750-U.

Note: Part Number/Catalog number correlation List:

Part Number	Catalog Number
1974139-1	ASBS 250-350-U
1974142-1	ASBT 250-350-U
1974144-1	ASBS 350-500-U
1974145-1	ASBS 600-750-U
1974146-1	ASBS 350-500/600-750-U
1974148-1	ASBT 350-500-U
1974149-1	ASBT 600-750-U
1974151-1	ASBS 1000-U
1974153-1	ASBT 1000-U
2182430-1	ASBT-1000-N-U
1974155-1	ASBS 2-U
1974138-1	ASBS 2-4/0-U
1974141-1	ASBT 2-4/0-U
2182732-1	ASBR-350-500/1000-U
2182770-1	ASBR-250-350/600-750-U
2182769-1	ASBR-250-350/350-500-U
2182734-1	ASBR-600-750/1000-U
2182352-1	ASBR-2-4/0/250-350-U
1974146-1	ASBR-350-500/600-750-U
1701211-3	ASBS-3/0-500



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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Shear Bolt connector - 1974144, 1974148, 1974142, 1974153, 1974139, 1974151, 1974155, 1974138-1, 1974141-1, 2182430-1, 2182732-1, 2182769-1, 2182352-1, ASBS 250-350-U, ASBT 250-350-U, ASBS 350-500-U, ASBT 350-500-U, ASBS 1000-U, ASBT-1000-N-U, ASBT 1000-U, ASBS 2-U, ASBS 2-4/0-U, ASBT 2-4/0-U, ASBR-350-500/1000-U, ASBR-250-350/350-500-U, ASBR-2-4/0/250-350-U, **ASBS-3/0-500**.

USL - Shear Bolt connector - Cat. No. 1974145, 1974146, 1974149, 2182770-1, 2182734-1, 1974146-1, ASBS 600-750-U, ASBS 350-500/600-750-U, ASBT 600-750-U, ASBR-250-350/600-750-U, ASBR-600-750/1000-U, ASBR-350-500/600-750-U.

Note: Part Number/Catalog number correlation List:

Part Number	Catalog Number
1974139-1	ASBS 250-350-U
1974142-1	ASBT 250-350-U
1974144-1	ASBS 350-500-U
1974145-1	ASBS 600-750-U
1974146-1	ASBS 350-500/600-750-U
1974148-1	ASBT 350-500-U
1974149-1	ASBT 600-750-U
1974151-1	ASBS 1000-U
1974153-1	ASBT 1000-U
2182430-1	ASBT-1000-N-U
1974155-1	ASBS 2-U
1974138-1	ASBS 2-4/0-U
1974141-1	ASBT 2-4/0-U
2182732-1	ASBR-350-500/1000-U
2182770-1	ASBR-250-350/600-750-U
2182769-1	ASBR-250-350/350-500-U
2182734-1	ASBR-600-750/1000-U
2182352-1	ASBR-2-4/0/250-350-U
1974146-1	ASBR-350-500/600-750-U
1701211-3	ASBS-3/0-500

GENERAL CHARACTER AND USE:

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

WIRE RANGE:

Cat. No.	Wire Range/Type	Ill
1974144	350 -500 AL/Cu	2
1974145	600-750 Al/Cu	3
1974146	(Insert Side) 350-500 Kcmil Al/Cu	4
	(Non-insert Side) 600 -750 Al/Cu	
1974149	600-750 Al/Cu	6
1974148	350-500 Al/Cu	7
1974142	250-350 Al/Cu	8
1974153	1000 Al/Cu	9
1974139	250-350 Al/Cu	10
1974151	1000 Al/Cu	11
1974155	2 Al/Cu	12
1974138-1	2-4/0	13
1974141-1	2-4/0	14
2182430-1	1000 Al/Cu	15
2182732-1	350-500 / 1000 Al/Cu	16
2182770-1	250-350 / 600-750 Al/Cu	17
2182769-1	250-350 / 350-500 Al/Cu	18
2182734-1	600-750 / 1000 Al/Cu	19
2182352-1	2-4/0 / 250-350 AL/CU	20
1974146-1	350-500 / 600-750 AL/CU	21
1701211-3	3/0-500 AL/CU	22

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

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

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

The plating thickness is 4 - 6 micro meter on connector bodies

Sequence of Operations - See Ill. 1 for termination instructions.

Cat. Nos. 1974144, 1974145, 1974146 have a bolt shearing range of,

1974144, 1974148, 1974146(Insert side) - 29.83ft-lb - 40.90 ft-lb
1974145, 1974146(Non-Insert side) - 30.21ft-lb - 48.75 ft-lb
1974149 - 29.64ft-lb-35.46ft-lb
1974139, 1974142 - 19.40ft-lb-23.66ft-lb
1974151, 1974153, 2182430-1 - 30.31ft-lb - 45.00ft-lb
1974155- 14.31ft-lb-21.87ft-lb
1974138-1, 1974141-1 - 23.00 ft-lb -29.00 ft-lb

Cat. Nos. 2182732-1, 2182770-1, 2182769-1, 2182734-1, 2182352-1 and 1974146-1 have a bolt shearing range of:

2182732-1 - 350-500 = 29.83 - 40.9 ft-lb; 1000 = 30.31 - 45.0 ft-lb
2182770-1 - 250-350 = 19.4 - 23.66 ft-lb; 600-750 = 30.21 - 48.75 ft-lb
2182769-1 - 250-350 = 19.4 - 23.66 ft-lb; 350-500 = 29.83 - 40.9 ft-lb
2182734-1 - 600-750 = 30.21 - 48.75 ft-lb; 1000 = 30.31 - 45.0 ft-lb
2182352-1 - 2-4/0 = 23.00 - 29.00 ft-lb; 250-350 = 19.40 - 23.66 ft-lb
1974146-1 - 350-500 = 29.83 - 40.90 ft-lb; 600-750 = 30.21 - 48.75 ft-lb
1701211-3 - 3/0-500 = 26.5 - 33.2 ft-lb

RATINGS:

Connector Temperature - 90°C

Wire strip length - See Ill 1

MARKING:

Connector marked with the manufacturer's name or trademark, catalog number or type designation, wire range, and AL9CU.

Connector, unit container or information sheet marked with:

AL9CU
Stranded/Str
wire range
Wire strip length, [see Ill. 1]
"One Time Use Only - Do Not Reuse"
"To Be Sold Only With Installation Instructions"

Unit container, Information sheet marked with:

Installation instructions.