

Mechanical Lugs Verses Compression Lugs Connector Comparison Chart

The variety of connectors available can be broken down into two general categories:

- · Mechanical lugs
- Compression lugs

The following chart has been prepared in an effort to clarify the difference between these two categories.

	Mechanical Lugs v	Compression Lugs	;				
Mechanical Lu	gs	Compression Lugs					
<u>SLU-225-1</u>	LA-250-1	BLU-1S-1	BLU-035D-1	BLUA-2S-1			
Range taking and non-range taking. For	pipe, cable, bar shapes etc.	Range taking and r	non-range taking. For cable c	onductors only.			
Many designs are universal for co	pper and aluminum.	Separate designs requir	red for aluminum, copper, or a	aluminum to copper.			
Salvageable. Conductors can be removed Wiring changes easily		Not salvageable. Conductor and connector must be cut off and scrapped if necessary.					
Short runs and specials easily handled by ma	anufacturer with better delivery.	Non-standard designs and modifications may be difficult to supply.					
Taping depends on o	lesign.	Easily taped.					
Installed cost comparable on small jobs and	I higher on large volume jobs.	Installed cost generally lower, particularly when large quantities are involved.					
No special tools to install. Can use scre	wdriver, pliers, or wrench.	Special tools and dies req	uired. If wrong tool or die is u	sed, poor joint results.			

	Agency Approvals										
LA and L2A series	cULus: ZMVV	Wire Connectors and Soldering Lugs									
NA and NO social	cURus: ZMVV	cURus: ZMVV Wire Connectors and Soldering Lugs - Component									
NA and NC series	cULus: KDER	Grounding and Bonding Equipment									
PB2, PB3, PB4 series	cULus: ZMVV	Wire Connectors and Soldering Lugs									
CAC CALL SI S corrige	cULus: ZMVV	Wire Connectors and Soldering Lugs									
SAS, SAU, SLS series	cULus: KDER	Grounding and Bonding Equipment									
SLU-125, -175, -225 series	cULus: ZMVV	Wire Connectors and Soldering Lugs									
2111.25 70 parios	cULus: ZMVV	Wire Connectors and Soldering Lugs									
SLU-35, -70 series	cULus: KDER	Grounding and Bonding Equipment									
	cULus: ZMVV	Wire Connectors and Soldering Lugs									
BLU Series	cULus: KDER	Grounding and Bonding Equipment	Grounding up to 500 kcmil								
BLU Series	CSA: Class 6223-02	Wire Connecting Devices - Wire Connector	TS .								
	CSA: Class 4414-04	Fittings - Grounding and Bonding Equipment	Grounding up to 500 kcm								
	cULus: ZMVV	Wire Connectors and Soldering Lugs									
BLUA Series	CSA: Class 6223-02	Wire Connecting Devices - Wire Connector	rs								
	CSA: Class 4414-04	FITTINGS - Grounding and Bonding Equipm	ent								

To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

www.automationdirect.com Mechanical Connectors tMEC-1



nniinion[™] Mechanical Connectors

Lug Tongue Connections

The tongue of a compression or a mechanical lug is, basically, a bus bar that connects to another bus bar.

The illustration to the right shows a typical bar connection and the type of hardware used.

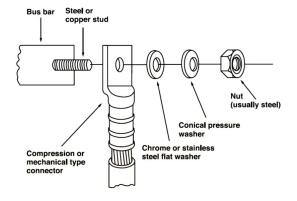


Table 1 to the right shows the recommended tightening torques for silicon bronze, stainless steel, galvanized steel, and lubricated aluminum alloy hardware.

NOTE: Torque values presently recommended by NEMA-CCI 2018 specification.

	Table 1 - Tightening Torques										
	Nominal Torque Values										
Bolt Diameter	Silicon Bronze, Stainles	Galvanized, or ss Steel	Aluminum Alloy (Lubricated)								
	ft-lbs	inch-lbs	ft-lbs	inch-lbs							
1/4	7	80	_	-							
5/16	15	180	_	-							
3/8	20	240	14	168							
1/2	40	480	25	300							
5/8	55	660	40	480							
3/4	87	1050	54	650							

For optimum efficiency, it is necessary that the correct bolt, nut, and washer combination be used with the correct combination of conductor materials. Table 2 shows acceptable methods of joining different combinations of bus bar. Where different combinations of metals are being joined, a follow-up device such as a conical pressure washer is usually recommended if one, or both, bus materials are soft drawn aluminum. If both bars are hard drawn,

large flat washers will suffice regardless of the bolt materials. Other considerations which should be taken into account when selecting hardware are corrosion and vibration. For example, if severe corrosion is anticipated, non-corrosive materials such as stainless steel or silicon bronze, should be selected in preference to galvanized steel. If vibration is anticipated, the use of locking washers should be considered.

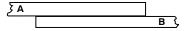


	Table :	2 - Joining Bus E	Bar Methods		
If "A" bar is	Copper Aluminum Steel			Aluminum	Steel
And if "B" bar is	Copper	Copper	Copper	Aluminum	Aluminum
Hard Drawn Bus such as aluminum alloy Bolt Large Flat Washer Large Flat Washer Split or tooth lock washer	(1) Silicon Bronze (2) Stainless Steel	(1) Silicon Bronze (2) Aluminum (3) Stainless Steel	(1) Silicon Bronze (2) Stainless Steel	(1) Aluminum (2) Stainless Steel (3) Silicon Bronze, Plated	(1) Aluminum (2) Stainless Steel
Soft Drawn Bus such as EC-H13 Aluminum Large Flat Conical Pressure Washer Washer Large Flat Washer	(1) Silicon Bronze (2) Stainless Steel	(1) Silicon Bronze (2) Aluminum (3) Stainless Steel (4) Conical Pressure Washer (Plated or Stainless Steel)	(1) Silicon Bronze (2) Stainless Steel	(1) Aluminum (2) Stainless Steel (3) Silicon Bronze, Plated (4) Conical Pressure Washer (Plated or Stainless Steel)	(1) Aluminum (2) Stainless Steel (3) Conical Pressure Washer (Plated or Stainless Steel)

"(1)" denotes preferred hardware usage.



Standard Barrel 1-Hole Tongue Aluminum Compression Lugs BLUA Series

Overview

Penn-Union compression connectors are made of the highest-grade materials and offer very high conductivity (low resistance) while meeting or exceeding all industry standards. Penn-Union compression connectors are certified to be installed using commonly found tools and do so without loss of agency certification. Penn-Union manufactures extremely dependable connectors at a low installed cost and its full line of compression connectors have a color-coding system that makes inspections and certified installations much simpler.

Features

- Rated for use with copper or aluminum conductors
- Rated for use up to 90°C and conductors rated to 90°C can be used
- Manufactured from seamless aluminum tubing
- Tin-plated and factory prefilled with oxide inhibitor compound
- End caps provided to prevent foreign materials from entering and contaminating the connector prior to usage
- Beveled entry for easy cable insertion
- Color-coded barrels are marked with die index numbers
- Connectors are suitable for voltages up to 35 kV
- Connectors are UL Listed and CSA Certified with Penn-Union, Burndy, T&B, Huskie, Greenlee and Versa-Crimp® style tooling. Versa-Crimp® is a registered trademark of HUBBELL Incorporated









	Sta	ndard Barrel 1	-Hole To	ongue <i>A</i>	Numinum	Compress	sion Lu	gs BLUA	Series		
Part Number	Price	Conductor Material and Conductor Size	Stud Size	Die Color Code	Installation Tool	Wire Strip Length	Voltage Rating	Number of Openings	Number of Mounting Holes	Qty	Material
BLUA-6S-NT-1	\$3.00	Copper or Aluminum	1/4in	Gray		7/8in					
BLUA-6S2-1	\$3.00	6 AWG	5/16in	Olay		770111					
BLUA-4S2-1	\$4.00	Copper or Aluminum	5/16in	Green							
BLUA-4S3-1	\$4.00	4 AWG	1/4in	Order							
BLUA-2S-1	\$6.00	0	3/8in			1in					
BLUA-2S3-1	\$6.00	Copper or Aluminum 2 AWG	1/4in	Pink	Pink						
BLUA-2S4-1	\$6.00		5/16in								
BLUA-1S-1	\$7.00		3/8in								
BLUA-1S1-1	\$7.00	Copper or Aluminum	1/4in	Gold		1-1/16in				1	Tin-plated aluminum
BLUA-1S2-1	\$7.00	1 AWG	1/2in	Gold		1-1/10111					
BLUA-1S3-1	\$7.00		5/16in								
BLUA-1/0S-1	\$7.00		3/8in								
BLUA-1/0S1-1	\$7.00	Copper or Aluminum	1/2in	Tan	TDM-250	1-1/8in					
BLUA-1/0S2-1	\$7.00	1/0 AWG	1/4in	iuii	or TDM-500	,	35 kV	1	1		
BLUA-1/0S3-1	\$7.00		5/16in						'		
BLUA-2/0S-1	\$9.00		1/2in								
BLUA-2/0S1-1	\$9.00	Copper or Aluminum	3/8in	Olive		1-1/4in					
BLUA-2/0S4-1	\$9.00	2/0 AWG	1/4in	Olivo		1 1/4111					
BLUA-2/0S5-1	\$9.00		5/16in								
BLUA-3/0S-1	\$10.00	0	1/2in								
BLUA-3/0S2-1	\$10.00	Copper or Aluminum 3/0 AWG	3/8in	Ruby		1-3/8in					
BLUA-3/0S5-1	\$10.00		5/16in								
BLUA-4/0S-1	\$11.00		1/2in								
BLUA-4/0S3-1	\$11.00	4/0 AWG	5/16in	White		1-7/16in					
BLUA-4/0S4-1	\$11.00	7/0/3000	5/8in	V VIIILG		1-7710111					
BLUA-4/0S5-1	\$11.00		3/8in								
BLUA-025S-1	\$12.00	250 MCM	1/2in	Red		1-9/16in					
BLUA-025S2-1	\$12.00	Z30 IVICIVI	3/8in	Neu		1-3/10111					



Standard Barrel 1-Hole Tongue Aluminum Compression Lugs BLUA Series

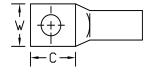
	Standard Barrel 1-Hole Tongue Aluminum Compression Lugs BLUA Series												
Part Number	Price	Conductor Material and Conductor Size	Stud Size	Die Color Code	Installation Tool	Wire Strip Length	Voltage Rating	Number of Openings	Number of Mounting Holes	Qty	Material		
BLUA-030S-1	\$14.25		5/8in										
BLUA-030S1-1	\$14.25	Copper or Aluminum 300 MCM	1/2in	Blue		1-5/8in	35 kV		1	1	Tin-plated aluminum		
BLUA-030S2-1	\$14.25		3/8in										
BLUA-035S-1	\$17.50	Copper or Aluminum	5/8in	Danie	<u>TDM-500</u>	1-3/4in		1					
BLUA-035S1-1	\$17.50	350 MCM	1/2in	Brown									
BLUA-040S2-1	\$26.00	Copper or Aluminum	1/2in	0		0:							
BLUA-040S3-1	\$26.00	400 MCM	5/8in	Green		∠IN	2in						
BLUA-050S2-1	\$28.00	Copper or Aluminum	1/2in	D: 1		0.4440							
BLUA-050S3-1	\$28.00	500 MCM	5/8in	Pink		2-1/16in							

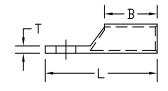
www.automationdirect.com Mechanical Connectors tMEC-22



Standard Barrel 1-Hole Aluminum Compression Lugs BLUA Series

			Dimensi	ons			
			Ар	proximate Din	nensions in [m	m]	
Part Number	Stud Size	W	С	Т	В	L	Drawing Link
BLUA-6S-NT-1	1/4in	0.50 [12.70]	0.80 [20.32]	0.13 [3.30]	0.69 [17.52]	1.83 [46.48]	PDF
BLUA-6S2-1	5/16in	0.30 [12.70]	0.78 [19.81]	0.13 [3.30]	0.75 [19.05]	1.82 [46.22]	PDF
BLUA-4S2-1	3/10111	0.58 [14.73]	0.80 [20.32]	0.18 [4.57]	0.87 [22.09]	1.89 [48.06]	PDF
BLUA-4S3-1	1/4in	0.00 [14.70]	0.00 [20.02]	0.10 [4.07]	0.07 [22.00]	1.00 [40.00]	PDF
BLUA-2S-1	3/8in						PDF
BLUA-2S3-1	1/4in	0.70 [17.78]	0.86 [21.84]	0.21 [5.33]	0.78 [19.81]	2.05 [52.07]	PDF
BLUA-2S4-1	5/16in						PDF
BLUA-1S-1	3/8in	0 72 [10 5/1	1.19 [30.22]	0 17 [4 21]		2.53 [64.26]	<u>PDF</u>
BLUA-1S1-1	1/4in	0.73 [18.54]	0.78 [19.81]	0.17 [4.31]	0.91 [23.11]	1.92 [48.76]	PDF
BLUA-1S2-1	1/2in	0.83 [21.08]	1.25 [31.75]	0.27 [6.85]	0.31[23.11]	2.59 [65.78]	PDF
BLUA-1S3-1	5/16in	0.73 [18.54]	0.84 [21.33]	0.17 [4.31]		1.95 [49.53	PDF
BLUA-1/0S-1	3/8in	0.84 [21.33]	0.86 [21.84]		0.87 [22.09]	2.17 [55.11]	PDF
BLUA-1/0S1-1	1/2in	0.86 [21.84]	1.13 [28.70]	0 00 15 0 41	1.10 [27.94]	2.44 [61.97]	PDF
BLUA-1/0S2-1	1/4in	0.04 (04.001	0.00 (04.04)	0.23 [5.84]	0.00 (00.05)	0.47 [55.44]	PDF
BLUA-1/0S3-1	5/16in	0.84 [21.33]	0.86 [21.84]		0.88 [22.35]	2.17 [55.11]	PDF
BLUA-2/0S-1	1/2in	0.00.100.001	4 00 100 401		1 00 (27 68)	2.62 [66.54]	PDF
BLUA-2/0S1-1	3/8in	0.93 [23.62]	1.20 [30.48]	0.00 10.001			PDF
BLUA-2/0S4-1	1/4in	0.94 [23.87]	0.78 [19.81]	0.25 [6.35]	1.09 [27.68]	2.25 [57.15]	PDF
BLUA-2/0S5-1	5/16in	0.93 [23.62]	0.84 [21.33]			2.31 [58.67]	PDF
BLUA-3/0S-1	1/2in		1.22 [30.98]	0.27 [6.85]		2.91 [73.91]	PDF
BLUA-3/0S2-1	3/8in	1.03 [26.16]	1.06 [26.92]	0.26 [6.60]	1.25 [31.75]	2.81 [71.37]	PDF
BLUA-3/0S5-1	5/16in		0.84 [21.33]	0.27 [6.85]		2.59 [65.78]	PDF
BLUA-4/0S-1	1/2in		1.18 [29.97]		1.28 [32.51]	2.97 [75.43]	PDF
BLUA-4/0S3-1	5/16in	4 47 100 741	0.84 [21.33]	0.00.17.001	4 04 (00 07)	2.65 [67.31]	PDF
BLUA-4/0S4-1	5/8in	1.17 [29.71]	1.47 [37.33]	0.30 [7.62]	1.31 [33.27]	3.28 [83.31]	PDF
BLUA-4/0S5-1	3/8in		1.20 [30.48]		1.28 [32.51]	2.97 [75.43]	PDF
BLUA-025S-1	1/2in	1.25 [31.75]	1.53 [38.86]	0.20.10.001	4 44 105 40	3.00 [76.20]	PDF
BLUA-025S2-1	3/8in	1.26 [32.00]	1.06 [26.92]	0.33 [8.38]	1.41 [35.18]	3.44 [87.37]	PDF
BLUA-030S-1	5/8in	1.39 [35.30]	1.47 [37.33]			3.68 [93.47]	PDF
BLUA-030S1-1	1/2in	1.37 [34.79]	1.56 [39.62]	0.36 [9.14]	1.50 [38.10]	3.88 [98.55]	PDF
BLUA-030S2-1	3/8in	1.39 [35.30]	1.25 [31.75]			3.63 [92.20]	PDF
BLUA-035S-1	5/8in	4 40 107 50	4 55 100 07	0.00.70.003	4 04 140 00:	2.04.102.043	PDF
BLUA-035S1-1	1/2in	1.48 [37.59]	1.55 [39.37]	0.39 [9.90]	1.61 [40.89]	3.91 [99.31]	PDF
BLUA-040S2-1	1/2in	4 00 144 00	1.50 [38.10]	0.40 (40.00)	4 04 145 07	4.53 [115.06]	PDF
BLUA-040S3-1	5/8in	1.63 [41.02]	1.81 [45.97]	0.42 [10.66]	1.81 [45.97]	4.84 [122.93]	PDF
BLUA-050S2-1	1/2in	4 00 115 -55	1.50 [38.10]	0.47111.00-	1.88 [47.75]	4.31 [109.47]	<u>PDF</u>
BLUA-050S3-1	5/8in	1.80 [45.72]	1.81 [45.97]	0.47 [11.93]	1.87 [47.49]	4.62 [117.34]	PDF







Standard Barrel 2-Hole Tongue Aluminum Compression Lugs BLUA Series

Overview

Penn-Union compression connectors are made of the highest-grade materials and offer very high conductivity (low resistance) while meeting or exceeding all industry standards. Penn-Union compression connectors are certified to be installed using commonly found tools and do so without loss of agency certification. Penn-Union manufactures extremely dependable connectors at a low installed cost and its full line of compression connectors have a color-coding system that makes inspections and certified installations much simpler.

Features

- Rated for use with copper or aluminum conductors
- Rated for use up to 90°C and conductors rated to 90°C can be used
- · Manufactured from seamless aluminum tubing
- Tin-plated and factory prefilled with oxide inhibitor compound
- End caps provided to prevent foreign materials from entering and contaminating the connector prior to usage
- Beveled entry for easy cable insertion
- Color-coded barrels are marked with die index numbers
- Connectors are suitable for voltages up to 35 kV
- Connectors are UL Listed and CSA Certified with Penn-Union, Burndy, T&B, Huskie, Greenlee and Versa-Crimp® style tooling. Versa-Crimp® is a registered trademark of HUBBELL Incorporated



BLUA-4/0D-1



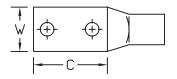


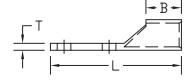
	Stand	ard Barrel 2-H	lole To	ngue Al	uminu	m Comp	ression	Lugs B	LUA Sei	ries		
Part Number	Price	Conductor Material and Conductor Size	Stud Size	Stud Hole Spacing	Die Color Code	Installation Tool	Wire Strip Length	Voltage Rating	Number of Openings	Number of Mounting Holes	Qty	Material
BLUA-1D1-1	\$6.00	Copper or Aluminum 1 AWG	1/2in	1.75in	Gold		1-1/16in					
BLUA-1/0D1-1	\$8.00	Copper or Aluminum	3/8in	1.00in	Tan		1-1/8in					
BLUA-1/0D3-1	\$8.00	1/0 AWG	1/2in	1.75in	Idii		1-1/0111					
BLUA-2/0D-1	\$10.00	Copper or Aluminum	1/2in	1.75in	Olive		1-1/4in					
BLUA-2/0D2-1	\$10.00	2/0 AWG	3/8in	1.00in	Olive	TDM-250	1-1/4111					
BLUA-3/0D-1	\$11.00	Copper or Aluminum	1/2in	1.75in	Ruby	or <u>TDM-500</u>	1-3/8in			2	1	Tin- plated copper
BLUA-3/0D1-1	\$11.00	3/0 AWG	3/8in	1.00in	Ruby		1 0/0111					
BLUA-4/0D-1	\$12.00	Copper or Aluminum	1/2in	1.75in	White		1-7/16in					
BLUA-4/0D2-1	\$12.00	4/0 AWG	3/8in	1.00in			,					
BLUA-025D-1	\$13.00	Copper or Aluminum	1/2in	1.75in	Red		1-9/16in 35					
BLUA-025D1-1	\$13.00	250 MCM	3/8in	1.00in				35 kV	1			
BLUA-030D-1	\$15.25	Copper or Aluminum	1/2in	1.75in	Blue		1-5/8in					
BLUA-030D1-1	\$15.25	300 MCM	3/8in	1.00in	Diue		1-3/0111					
BLUA-035D-1	\$18.50	Copper or Aluminum	1/2in	1.75in	Brown		1-3/4in					
BLUA-035D1-1	\$18.50	350 MCM	3/8in	1.00in	DIUWII		1-3/4/11					
BLUA-040D-1	\$27.00		5/8in	1.75in		TDM-500						
BLUA-040D1-1	\$27.00	Copper or Aluminum 400 MCM	3/8in	1.00in	Green	<u>1 DIVI-300</u>	2in					
BLUA-040D2-1	\$27.00		1/2in	1.75in								
BLUA-050D-1	\$29.00		5/8in	1.75in								
BLUA-050D1-1	\$29.00	Copper or Aluminum 500 MCM	3/8in	1.00in	Pink		2-1/16in					
BLUA-050D2-1	\$29.00		1/2in	1.75in								



Standard Barrel 2-Hole Tongue Aluminum Compression Lugs BLUA Series

			Dimens	ions			
	00.		Ap	proximate Din	nensions in [m	m]	
Part Number	Stud Size	W	С	Т	В	L	Drawing Link
BLUA-1D1-1	1/2in	0.83 [21.08]	2.91 [73.91]	0.27 [6.85]	0.91 [23.11]	4.05 [102.87]	<u>PDF</u>
BLUA-1/0D1-1	3/8in	0.86 [21.84]	1.88 [47.75]	0.23 [5.84]	1.00 [25.4]	3.53 [89.66]	<u>PDF</u>
BLUA-1/0D3-1	1/2in1/2in	0.84 [21.33]	3.00 [76.20]	0.24 [10.16]	1.00 [25.4]	4.57 [116.07]	<u>PDF</u>
BLUA-2/0D-1	1/21111/2111	0.94 [23.87]	3.18 [80.77]	0.25 [6.35]	1.09 [27.68]	4.62 [117.34]	<u>PDF</u>
BLUA-2/0D2-1	3/8in	0.94 [23.67]	1.88 [47.75]	0.23 [0.33]	1.09 [27.00]	3.38 [85.82]	<u>PDF</u>
BLUA-3/0D-1	1/2in	1.03 [26.16]	2.97 [75.43]	0.26 [6.60]	1.25 [31.75]	4.66 [118.36]	<u>PDF</u>
BLUA-3/0D1-1	3/8in	1.03 [20.10]	1.88 [47.75]	0.27 [6.85]	1.25 [51.75]	3.91 [99.31]	<u>PDF</u>
BLUA-4/0D-1	1/2in	1.16 [29.46]	2.94 [74.67]	0.30 [7.62]	1.29 [32.76]	4.73 [120.14]	<u>PDF</u>
BLUA-4/0D2-1	3/8in	1.17 [29.71]	2.06 [52.32]	0.30 [7.02]	1.31 [33.27]	3.88 [98.55]	<u>PDF</u>
BLUA-025D-1	1/2in	1.25 [31.75]	2.91 [73.91]	0.33 [8.38]	1.79 [45.46]	5.20 [132.08]	<u>PDF</u>
BLUA-025D1-1	3/8in	1.27 [32.25]	2.06 [52.32]	0.55 [0.56]	1.41 [35.81]	4.00 [101.60]	<u>PDF</u>
BLUA-030D-1	1/2in	1.38 [35.05]	3.00 [76.20]	0.36 [9.14]	1.47 [37.33]	5.34 [135.63]	<u>PDF</u>
BLUA-030D1-1	3/8in	1.39 [35.30]	2.38 [60.45]	0.50 [9.14]	1.50 [38.10]	4.47 [113.53]	<u>PDF</u>
BLUA-035D-1	1/2in	1.48 [37.59]	2.94 [74.67]	0.39 [9.90]	1.59 [40.38]	5.31 [134.87]	<u>PDF</u>
BLUA-035D1-1	3/8in	1.40 [37.59]	2.06 [52.32]	0.39 [9.90]	1.63 [41.40]	4.44 [112.77]	<u>PDF</u>
BLUA-040D-1	5/8in		3.09 [78.48]		1 01 [45 07]	5.59 [141.98]	<u>PDF</u>
BLUA-040D1-1	3/8in	1.63 [41.40]	2.06 [52.32]	0.42 [10.66]	1.81 [45.97]	4.56 [115.82]	<u>PDF</u>
BLUA-040D2-1	1/2in		3.13 [79.50]		1.81 [45.97]	5.63 [143.02]	<u>PDF</u>
BLUA-050D1-1	5/8in	1.80 [45.72]	2.06 [52.32]	0.47 [11.93]	1.88 [47.75]	4.88 [123.95]	<u>PDF</u>
BLUA-050D2-1	3/8in	1.79 [45.46]	3.13 [79.50]	0.46 [11.68]	1.00 [47.75]	5.94 [150.87]	<u>PDF</u>
BLUA-050D-1	1/2in	1.80 [45.72]	3.22 [81.78]	0.47 [11.93]	1.87 [47.49]	6.03 [153.16]	<u>PDF</u>







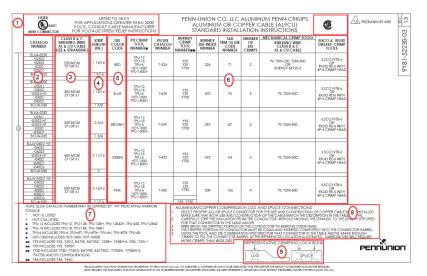
Standard Installation Instructions for Aluminum Compression Lugs BLUA Series

Of all the methods used to make electrical connections, compression of the connector onto the cable with some type of compression tool is considered by most installers to be the most permanent of the common connection methods.

To maintain Underwriters Laboratories listing (UL) or Canadian Standards Association certification (CSA) for a completed compression connection, it is necessary to use the installation tools and installation methods which have been qualified for the connectors by those organizations during the listing/certification processes.

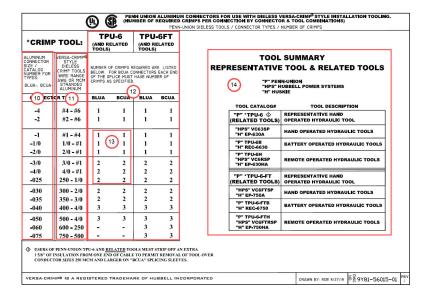
This information is supplied by Penn-Union in the form of an insert/stuffer sheet, available in the packaging of each part number.

Information Found in the Penn-Union Inserts



	Insert Page 1
1	UL and CSA Wire Connectors, based on UL 486A-486B
2	List of part numbers covered by insert
3	List of cables that can be used with lug series
4	Stripping length per lug series
5	DIE color code (indicated on the lug)
6	Tools that retain UL/CSA Wire Connector ratings
7	List of additional related crimping tools and associated notes
8	Instructions on how to crimp the connector
9	Representative image of crimp locations on the connector barrel

	Insert Page 2							
10	Connector Series							
11	Versa-Crimp ® tool wire range							
12	TPU and related Tools, connector types per tool type and number of crimps							
13	Number of crimps: For Example 2 = two crimps on the barrel							
14	List of additional related tools							



www.automationdirect.com



PENNUNION Mechanical Connectors

Hand-Operated Crimp Tools

Overview

The hand-operated crimp tools are designed for easy use especially in confined spaces and bench top use. The unique telescopic handle design (TDM) provides increased leverage when needed. The TDM series crimp tools are designed to make the perfect crimp every time using the BLU series compression lugs.

Features

- Dieless no dies to buy or lose
- Compression connectors are UL listed and CSA certified when installed in accordance with manufacturer's installation instructions
- Quality durable steel
- · Easily adjustable tool settings
- Easy-to-read settings are provided on calibrated index plates, one for AL and one for CU, located on the side of the tool
- Small head is convenient in confined areas



	Hand - Operated Crimp Tools											
Part Number	Price	Qty	Туре	Crimp Profile	Wire Range	Overall Length	Weight	Material				
TDM-250	\$361.25	1	Telescopic handle with	Indent	8 AWG-250 MCM copper and 8-4AWG aluminum	26.0in [660mm]	9.5 lbs	Stool				
TDM-500	\$506.25	1	rubberized non-slip grip		8 AWG-500 MCM copper and aluminum	27.4in [696mm]	9.9 lbs	Steel				

