

LISTED

460C

WIRE CONNECTOR

LISTED TO 35 KV

FOR APPLICATIONS GREATER THAN 2000 VOLTS, CONSULT CABLE MANUFACTURER FOR VOLTAGE STRESS RELIEF INSTRUCTIONS

PENN-UNION CO. LLC ALUMINUM PENN-CRIMPS

ALUMINUM OR COPPER CABLE (AL9CU)

STANDARD INSTALLATION INSTRUCTIONS

15 REDRAWN BY MES

REV. 15

9Y81-52230-01

CATALOG NUMBER	CLASS B & C BUILDING WIRE AL & CU CABLE SIZE & STRANDING	STRIP LENGTH (IN.)	DIE COLOR CODE	PU CRIMP TOOL NUMBER	PU DIE CATALOG NUMBER	BURNDY CRIMP TOOL NUMBER	BURNDY DIE INDEX NUMBER	T&B TBM-15 DIE CODE NUMBER	NUMBER OF DIE CRIMPS	MECHANICAL CRIMP TOOLS BUILDING WIRE CLASS B & C AL & CU CABLE	ILSCO & RIGID DIELESS CRIMP TOOLS									
BLUA-8S-NT	8 AWG 7 OR 19	1	BLUE	TPU-12 TPU-18 TPU-1500H	T-374	Y35 Y39 Y750	374	13454	1	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD									
-		13/16																		
BCUA-8+																				
BLUA-6S-NT	6 AWG 7 OR 19	1 1/8	GRAY	TPU-12 TPU-18 TPU-6 TPU-1500H	T-346	Y35 Y39 Y750	346	TJ	2 (OVERLAPPING)	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD									
-6S1*		7/8																		
-6S2																				
BCUA-6																				
BLUA-4S2	4 AWG 7 OR 19	1 5/16	GREEN	TPU-12B TPU-18B TPU-6 TPU-1500H	T-375	Y35 Y39 Y750	375	TB	1	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD									
-4S3		1																		
-4S4+																				
BCUA-4																				
BLUA-2S	2 AWG 7 OR 19	1 1/3	PINK	TPU-12 TPU-18 TPU-6 TPU-1500H	T-348	Y35 Y39 Y750	348	TQ	1	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD									
-2S3																				
-2S4																				
-2S5*		1 1/4																		
-2D*																				
-2D1*																				
BCUA-2																				
BLUA-1S	1 AWG 19 OR 37	1 1/3	GOLD	TPU-12 TPU-18 TPU-6 TPU-1500H	T-471	Y35 Y39 Y750	471	TQ	1	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD									
-1S1																				
-1S2																				
-1S3		1 1/16																		
-1D1																				
BCUA-1																				

NOTE: BLUA CATALOG NUMBER MAY BE SUFFIXED BY "-NT" INDICATING NARROW TONGUE

* NOT UL LISTED

+ NOT CSA LISTED

■ TPU-12 INCLUDES TPU-12, TPU-12B, TPU-12BH, TPU-12B42H, TPU-42B, TPU-12B42

■ TPU-18 INCLUDES TPU-18, TPU-18B, TPU-18BH

■ TPU-6 INCLUDES TPU-6, TPU-6FT, TPU-6FH, TPU-6H, TPU-6FB, TPU-6B

■ HDT-1000 INCLUDES HDT-1000, HDT-1000B

■ Y35 INCLUDES Y35, Y35-2, BAT35, BAT35C, Y35BH, Y35BH-4, Y35L, Y35L-1

■ Y39 INCLUDES Y39, Y39BH

■ Y750 INCLUDES Y750, Y750-2, BAT750, BAT750C, Y750BH, Y750BH-2, PAT750 AND ITS CONFIGURATIONS

■ Y46 INCLUDES Y46, Y46C

ALUMINUM/COPPER COMPRESSION LUG AND SPLICE CONNECTIONS

1. SELECT PROPER LUG OR SPLICE CONNECTOR FOR THE SIZE AND CONSTRUCTION OF COPPER CABLE BEING INSTALLED. MAKE SURE THAT BOTH SIZE AND CONSTRUCTION OF THE CABLE MATCH THE DESCRIPTION IN THE TABLE ABOVE.
2. CAREFULLY STRIP THE INSULATION FROM THE CONDUCTOR, WITHOUT NICKING THE STRANDS, TO THE LENGTH SPECIFIED FOR THAT CONNECTOR IN THE TABLE ABOVE.
3. WIRE BRUSH THE STRIPPED PORTION OF THE CONDUCTOR TO REMOVE OXIDE FILMS.
4. THE STRIPPED PORTION OF CONDUCTOR MUST BE CLEAN AND INSERTED COMPLETELY INTO THE CONNECTOR BARREL.
5. USING THE TOOL AND DIE COMBINATION SPECIFIED FOR THAT CONNECTOR IN THE TABLE ABOVE, MAKE ENOUGH CRIMPS TO FILL THE CONNECTOR BARREL AT THE REFERENCED LOCATION ILLUSTRATED. NARROW DIES WILL REQUIRE MORE CRIMPS THAN WIDE DIES.


REPRESENTATIVE CRIMPING LOCATIONS

LUG

SPLICE

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■ TPU-6 INCLUDES TPU-6, TPU-6FT, TPU-6FH, TPU-6H, TPU-6FB, TPU-6B

■ HDT-1000 INCLUDES HDT-1000, HDT-1000B

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2. CAREFULLY STRIP THE INSULATION FROM THE CONDUCTOR, WITHOUT NICKING THE STRANDS, TO THE LENGTH SPECIFIED FOR THAT CONNECTOR IN THE TABLE ABOVE.


3. WIRE BRUSH THE STRIPPED PORTION OF THE CONDUCTOR TO REMOVE OXIDE FILMS.


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REPRESENTATIVE CRIMPING LOCATIONS







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<div><div><div><div></div><div>UL</div></div><div><div></div><div>SP</div></div></div><div><div>PENN-UNION ALUMINUM CONNECTORS FOR USE WITH DIELESS VERSA-CRIMP® STYLE INSTALLATION TOOLING.</div><div>(NUMBER OF REQUIRED CRIMPS PER CONNECTION BY CONNECTOR & TOOL COMBINATIONS)</div></div></div> <div>PENN-UNION DIELESS TOOLS / CONNECTOR TYPES / NUMBER OF CRIMPS</div>					
* CRIMP TOOL:		TPU-6 (AND RELATED TOOLS)		TPU-6FT (AND RELATED TOOLS)	
ALUMINUM CONNECTOR SIZE / CATALOG NUMBER FOR TYPES: BLUA-, BCUA-	VERSA-CRIMP® STYLE DIELESS CRIMP TOOLS WIRE RANGE AWG OR MCM STRANDED ALUMINUM	NUMBER OF CRIMPS REQUIRED ARE LISTED BELOW. FOR BCUA CONNECTORS EACH END OF THE SPLICE MUST HAVE NUMBER OF CRIMPS AS SPECIFIED.			
CONNECTOR TYPE:		BLUA	BCUA	BLUA	BCUA
-4	#4 - #6	1	1	1	1
-2	#2 - #6	1	1	1	1
-1	#1 - #4	1	1	1	1
-1/0	1/0 - #1	1	1	1	1
-2/0	2/0 - #1	1	1	1	1
-3/0	3/0 - #1	2	2	2	2
-4/0	4/0 - #1	2	2	2	2
-025	250 - 1/0	2	2	2	2
-030	300 - 2/0	2	2	2	2
-035	350 - 3/0	2	2	2	2
-040	400 - 4/0	3	3	3	3
-050	500 - 4/0	3	3	3	3
-060	600 - 250	-	-	3	3
-075	750 - 500	-	-	3	3
<div>◇ USERS OF PENN-UNION TPU-6 AND RELATED TOOLS MUST STRIP OFF AN EXTRA 1 5/8" OF INSULATION FROM ONE END OF CABLE TO PERMIT REMOVAL OF TOOL OVER CONDUCTOR SIZES 250 MCM AND LARGER ON "BCUA" SPLICING SLEEVES.</div>					

TOOL SUMMARY

REPRESENTATIVE TOOL & RELATED TOOLS

"P" PENN-UNION
"HPS" HUBBELL POWER SYSTEMS
"H" HUSKIE

TOOL CATALOG#

TOOL DESCRIPTION

"P" *TPU-6 ◇ (RELATED TOOLS)	REPRESENTATIVE HAND OPERATED HYDRAULIC TOOL
"HPS" VC63SP "H" EP-630A	HAND OPERATED HYDRAULIC TOOLS
"P" TPU-6B "H" REC-6630	BATTERY OPERATED HYDRAULIC TOOLS
"P" TPU-6H "HPS" VC6RSP "H" EP-630HA	REMOTE OPERATED HYDRAULIC TOOLS
"P" *TPU-6-FT (RELATED TOOLS)	REPRESENTATIVE HAND OPERATED HYDRAULIC TOOL
"HPS" VC6FTSP "H" EP-750A	HAND OPERATED HYDRAULIC TOOLS
"P" TPU-6-FTB "H" REC-6750	BATTERY OPERATED HYDRAULIC TOOLS
"P" TPU-6-FTH "HPS" VC6FTRSP "H" EP-750HA	REMOTE OPERATED HYDRAULIC TOOLS

VERSA-CRIMP® IS A REGISTERED TRADEMARK OF HUBBELL INCORPORATED

DRAWN BY: RDB 8/27/18

DWG. NO. 9Y81-56015-01

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-2/0	2/0 - #1	1	1	1	1
-3/0	3/0 - #1	2	2	2	2
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