

LISTED

440C

WIRE CONNECTOR

LISTED TO 35 KV

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

ALUMINUM OR COPPER CABLE (AL9CU)

STANDARD INSTALLATION INSTRUCTIONS

13

REDRAWN BY MES

REV.

13

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-02SS  
-02SS2  
-02SS3  
-02SD  
-02SD1  
BCUA-02S

250 MCM  
37 OR 61

1 15/16  
1 9/16

RED

TPU-12  
TPU-18  
TPU-6  
HDT-1000  
TPU-1500H

T-324

Y35  
Y39  
Y750

324

71

2

PU TDM-250, TDM-500  
OR  
BURNDY MY29-3

ILSCO IVTB-6  
OR  
RIGID RE-6 WITH  
4P-6 CRIMP HEAD

BLUA-030S  
-030S1  
-030S2  
-030S3-NT  
-030D  
-030D1  
BCUA-030

300 MCM  
37 OR 61

1 15/16  
1 5/8

BLUE

TPU-12  
TPU-18  
TPU-6  
HDT-1000  
TPU-1500H

T-470

Y35  
Y39  
Y750

470

76

2

PU TDM-500

ILSCO IVTB-6  
OR  
RIGID RE-6 WITH  
4P-6 CRIMP HEAD

BLUA-035S  
-035S1  
-035S2-NT  
-035S3-NT  
-035D  
-035D1  
BCUA-035

350 MCM  
37 OR 61

2 3/4  
1 3/4

BROWN

TPU-12  
TPU-18  
TPU-6  
HDT-1000  
TPU-1500H

T-299

Y35  
Y39  
Y750

299

87

2

PU TDM-500

ILSCO IVTB-6  
OR  
RIGID RE-6 WITH  
4P-6 CRIMP HEAD

BLUA-040S1-NT  
-040S2  
-040S3  
-040S4-NT  
-040D  
-040D1  
-040D2  
BCUA-040

400 MCM  
37 OR 61

2 11/16  
2

GREEN

TPU-12  
TPU-18  
TPU-6  
HDT-1000  
TPU-1500H

T-472

Y35  
Y39  
Y750

472

94

4

PU TDM-500

ILSCO IVTB-6  
OR  
RIGID RE-6 WITH  
4P-6 CRIMP HEAD

BLUA-050S1-NT  
-050S2  
-050S3  
-050D  
-050D1  
-050D2  
BCUA-050

500 MCM  
37 OR 61

2 15/16  
2 1/16

PINK

TPU-12  
TPU-18  
TPU-6  
HDT-1000  
TPU-1500H

T-300

Y35  
Y39  
Y750  
Y39, Y750

300

106

4

PU TDM-500

ILSCO IVTB-6  
OR  
RIGID RE-6 WITH  
4P-6 CRIMP HEAD

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-6FTH, TPU-6H, TPU-6FTB, 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

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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

13 REDRAWN BY MES

REV.

13

9Y81-52230-03

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	ILSCO & RIGID DIELESS CRIMP TOOLS
										BUILDING WIRE CLASS B & C AL & CU CABLE	
BLUA-02SS -02SS2 -02SS3 -02SD -02SD1 BCUA-02S	250 MCM 37 OR 61	1 15/16 1 9/16	RED	TPU-12 TPU-18 TPU-6 HDT-1000 TPU-1500H	T-324	Y35 Y39 Y750	324	71	2	PU TDM-250, TDM-500 OR BURNDY MY29-3	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD
BLUA-030S -030S1 -030S2 -030S3-NT -030D -030D1 BCUA-030	300 MCM 37 OR 61	1 15/16 1 5/8	BLUE	TPU-12 TPU-18 TPU-6 HDT-1000 TPU-1500H	T-470	Y35 Y39 Y750	470	76	2	PU TDM-500	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD
BLUA-035S -035S1 -035S2-NT -035S3-NT -035D -035D1 BCUA-035	350 MCM 37 OR 61	2 3/4 1 3/4	BROWN	TPU-12 TPU-18 TPU-6 HDT-1000 TPU-1500H	T-299	Y35 Y39 Y750	299	87	2	PU TDM-500	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD
BLUA-040S1-NT -040S2 -040S3 -040S4-NT -040D -040D1 -040D2 BCUA-040	400 MCM 37 OR 61	2 11/16 2	GREEN	TPU-12 TPU-18 TPU-6 HDT-1000 TPU-1500H	T-472	Y35 Y39 Y750	472	94	4	PU TDM-500	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD
BLUA-050S1-NT -050S2 -050S3 -050D -050D1 -050D2 BCUA-050	500 MCM 37 OR 61	2 15/16 2 1/16	PINK	TPU-12 TPU-18 TPU-6 HDT-1000 TPU-1500H	T-300	Y35 Y39 Y750 Y39, Y750	300	106	4	PU TDM-500	ILSCO IVTB-6 OR RIGID RE-6 WITH 4P-6 CRIMP HEAD

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-6FTH, TPU-6H, TPU-6FTB, 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

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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 &amp; TOOL COMBINATIONS)</div><div>PENN-UNION DIELESS TOOLS / CONNECTOR TYPES / NUMBER OF CRIMPS</div></div></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

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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.

TOOL SUMMARY

REPRESENTATIVE TOOL & RELATED TOOLS

"P" PENN-UNION

"HPS" HUBBELL POWER SYSTEMS

"H" HUSKIE

TOOL CATALOG#

TOOL DESCRIPTION

"P" \*TPU-6 ◇  
(RELATED TOOLS)

"HPS" VC63SP  
"H" EP-630A

"P" TPU-6B  
"H" REC-6630

"P" TPU-6H  
"HPS" VC6RSP  
"H" EP-630HA

REPRESENTATIVE HAND  
OPERATED HYDRAULIC TOOL

HAND OPERATED HYDRAULIC TOOLS

BATTERY OPERATED HYDRAULIC TOOLS

REMOTE OPERATED HYDRAULIC TOOLS

"P" \*TPU-6-FT  
(RELATED TOOLS)

"HPS" VC6FTSP  
"H" EP-750A

"P" TPU-6-FTB  
"H" REC-6750

"P" TPU-6-FTH  
"HPS" VC6FTRSP  
"H" EP-750HA

REPRESENTATIVE HAND  
OPERATED HYDRAULIC TOOL

HAND OPERATED HYDRAULIC TOOLS

BATTERY OPERATED HYDRAULIC TOOLS

REMOTE OPERATED HYDRAULIC TOOLS

VERSA-CRIMP® IS A REGISTERED TRADEMARK OF HUBBELL INCORPORATED

DRAWN BY: RDB 8/27/18

DWG. NO. 9Y81-56015-01

REV. 1

## 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

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PENN-UNION DIELESS TOOLS / CONNECTOR TYPES / NUMBER OF CRIMPS					
* 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.			
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-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

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

◇

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.

VERSA-CRIMP® IS A REGISTERED TRADEMARK OF HUBBELL INCORPORATED

DRAWN BY: RDB 8/27/18

DWG NO. 9Y81-56015-01

REV. 1

## 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