



LISTED TO 600 VOLTS LISTED TO 35 KV*

PENN-UNION CORP COPPER PENN-CRIMPS
COPPER CABLE ONLY (Cu)
Standard Installation Instructions

500MCH MAX



DB



250MCH MAX



467 C22.2 No.41
GROUNDING and BONDING
SUITABLE FOR DIRECT BURIAL

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

CATALOG NUMBER	CLASS B & C BUILDING WIRE Cu CABLE SIZE & STRANDING	CLASS I FLEXIBLE CABLE (#24AWG Cu STRANDS) SIZE & STRANDING	CLASS K WELD CABLE (#30AWG Cu STRANDS) SIZE & STRANDING		DIESEL LOCOMOTIVE CABLE (#24AWG Cu STRANDS) SIZE & STRANDING	STRIP LENGTH (IN.)	DIE COLOR CODE	PUC CRIMP TOOL NUMBER	PUC DIE CATALOG NUMBER	BURNDY CRIMP TOOL NUMBERS	BURNDY DIE INDEX NUMBER	T & B TBM-15 DIE CODE NUMBER	NUMBER OF DIE CRIMPS	MECHANICAL WIRE CLASS B & C Cu CABLE	CRIMP TOOLS FLEXIBLE Cu CABLE (CLASS I & K) & DIESEL	ILSCD & RIGID DIELESS CRIMP TOOLS
			NONE	NONE												
BLU-8S13	#8 AVG 7 DR 19	#8 AVG 41/24	NONE	NONE	NONE	1/2	RED	TPU-12						PUC TDM-250	PUC TDM-250XF	ILSCD IVTB-6
-8S14,-8S15						1/2		TPU-18						TDM-408	DR	RIGID RE-6 WITH 4P-6-6 CRIMP HEAD
-8S16,-8S17						1/2		TPU-1500H	T-49	Y35, Y39 & Y750			BURNDY MY29-3	BURNDY MY29-11		
-8S18						1/2										
-8D,-8D2						1/2										
-8D3,-8D4						1/2										
-8D5,-8D6						1/2										
BCU-8						9/16										
BBCU-8						15/16										
BBLU/BBLZ -8S,-8S2, 8D						1 1/16										
						1 1/16										
BLU-6S	#6 AVG 7 DR 19	#6 AVG 63/24	NONE	NONE	NONE	15/16	BLUE	TPU-12						PUC TDM-250	PUC TDM-250XF	
-6S1,-6S2						15/16		TPU-6						TDM-408	DR	
-6S3,-6S4						15/16		TPU-18						TDM-500 DR	BURNDY MY29-11	
-6S5,-6S8						15/16		TPU-1500H	T-7	Y35, Y39 & Y750			BURNDY MY29-3	BURNDY MY29-11		
-6D,-6D1						15/16										
-6D2,-6D3						15/16										
-6D4,-6DN						15/16										
BBLU/BBLZ -6S						1-1/4										
-6S2						1-1/4										
-6D,-6D7						1-1/4										
-6D8,-6D9						1-1/4										
-6DN						1-1/4										
BCU-6						15/16										
BBCU-6						1-1/4										
	(ALSO #6SDL AVG)															
BLU-5S	#5 AVG 7 DR 19	NONE	NONE	NONE	NONE	15/16	BLUE	TPU-12						PUC NONE	PUC NONE	
-5S1,-5S2						15/16		TPU-6						DR	DR	
-5S3						15/16		TPU-18						BURNDY NONE	BURNDY NONE	
-5D,-5D2						15/16		TPU-1500H	T-7	Y35, Y39 & Y750						
-6D,-6D1						15/16										
-6D2,-6D3						15/16										
-6D4,-6DN						15/16										
BBLU/BBLZ -5D1						1-1/4										
-5D						1-1/4										
-5S						1-1/4										

NOTE: CONNECTORS ARE NOT UL / CSA FOR GROUNDING AND BONDING WHEN INSTALLED WITH THE ILSCD IVTB-6 OR RIGID RE-6 TOOLS.

COPPER COMPRESSION LUG AND SPLICE CONNECTIONS

- 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.
- Carefully strip the insulation from the conductor, without nicking the strands, to the length specified for that connector in the table above.
- The stripped portion of conductor must be clean and inserted completely into the connector barrel.
- Using the tool and die combination specified for that connector in the table above, or the pressure setting for PUC dieless tools, make enough crimps to fill the connector barrel at the referenced location illustrated. Narrow dies will require more crimps than wide dies.

SEE REVERSE VERSA-CRIMP™ WIRE RANGES

REV. 12/01/2008
DWG. 9Y81-52229-01
REPRESENTATIVE CRIMPING LOCATIONS
FILL BARREL WITH CRIMPS



LISTED TO 600 VOLTS LISTED TO 35 KV*

PENN-UNION CORP COPPER PENN-CRIMPS
COPPER CABLE ONLY (Cu)
Standard Installation Instructions

500MCH MAX



DB



250MCH MAX

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SUITABLE FOR DIRECT BURIAL

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			NONE	NONE												
BLU-8S13	#8 AVG 7 DR 19	#8 AVG 41/24	NONE	NONE	NONE	1/2	RED	TPU-12						PUC TDM-250	PUC TDM-250XF	ILSCD IVTB-6
-8S14,-8S15						1/2		TPU-18						TDM-408	DR	RIGID RE-6 WITH 4P-6-6 CRIMP HEAD
-8S16,-8S17						1/2		TPU-1500H	T-49	Y35, Y39 & Y750			BURNDY MY29-3	BURNDY MY29-11		
-8S18						1/2										
-8D,-8D2						1/2										
-8D3,-8D4						1/2										
-8D5,-8D6						1/2										
BCU-8						9/16										
BBCU-8						15/16										
BBLU/BBLZ -8S,-8S2, 8D						1 1/16										
						1 1/16										
BLU-6S	#6 AVG 7 DR 19	#6 AVG 63/24	NONE	NONE	NONE	15/16	BLUE	TPU-12						PUC TDM-250	PUC TDM-250XF	
-6S1,-6S2						15/16		TPU-6						TDM-408	DR	
-6S3,-6S4						15/16		TPU-18						TDM-500 DR	BURNDY MY29-11	
-6S5,-6S8						15/16		TPU-1500H	T-7	Y35, Y39 & Y750			BURNDY MY29-3	BURNDY MY29-11		
-6D,-6D1						15/16										
-6D2,-6D3						15/16										
-6D4,-6DN						15/16										
BBLU/BBLZ -6S						1-1/4										
-6S2						1-1/4										
-6D,-6D7						1-1/4										
-6D8,-6D9						1-1/4										
-6DN						1-1/4										
BCU-6						15/16										
BBCU-6						1-1/4										
	(ALSO #6SDL AVG)															
BLU-5S	#5 AVG 7 DR 19	NONE	NONE	NONE	NONE	15/16	BLUE	TPU-12						PUC NONE	PUC NONE	
-5S1,-5S2						15/16		TPU-6						DR	DR	
-5S3						15/16		TPU-18						BURNDY NONE	BURNDY NONE	
-5D,-5D2						15/16		TPU-1500H	T-7	Y35, Y39 & Y750						
-6D,-6D1						15/16										
-6D2,-6D3						15/16										
-6D4,-6DN						15/16										
BBLU/BBLZ -5D1						1-1/4										
-5D						1-1/4										
-5S						1-1/4										

NOTE: CONNECTORS ARE NOT UL / CSA FOR GROUNDING AND BONDING WHEN INSTALLED WITH THE ILSCD IVTB-6 OR RIGID RE-6 TOOLS.

COPPER COMPRESSION LUG AND SPLICE CONNECTIONS

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SEE REVERSE VERSA-CRIMP™ WIRE RANGES

REV. 12/01/2008
DWG. 9Y81-52229-01
REPRESENTATIVE CRIMPING LOCATIONS
FILL BARREL WITH CRIMPS

COPPER CONNECTOR CATALOG NUMBER FOR TYPES: BLU, BCU, BBLU, BBCU, BBLZ, BCBUR	VERSA-CRIMP® TOOLS WIRE RANGE AWG OR MCM STRANDED COPPER	PENN UNION COPPER CONNECTORS FOR USE WITH VERSA-CRIMP® INSTALLATION TOOLING. (NUMBER OF REQUIRED CRIMPS PER CONNECTION BY CONNECTOR & TOOL COMBINATIONS)												UL US BCUR PRODUCTS			
		VERSA-CRIMP® TOOLS / CONNECTOR TYPES / NUMBER OF CRIMPS															
		VC6-350		VC6-500-BP		VC6-3		VC6-FT		VC7		VC7-FT		VC8C			
		BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU		
-6	#6	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-
-4	#4	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-
-2	#6-#2	1	2	1	2	1	2 O'LAP	1	2 O'LAP	1	2	1	2	-	-	-	-
-1	#6-#1	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-1/0	#6-1/0	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-2/0	#4-2/0	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-3/0	#2-3/0	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-4/0	#1-4/0	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-025	1/0-250	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-030	2/0-300	2	4	2	4	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-035	3/0-350	-	-	3 O'LAP	5	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-040	4/0-400	-	-	3 O'LAP	6	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-050	4/0-500	-	-	4 O'LAP	6	2	4 O'LAP	2	4 O'LAP	2	4	2	4	1	2	1	2
-060	250-600	-	-	-	-	-	-	2	4	-	-	2	4	1	3	1	3
-075	500-750	-	-	-	-	-	-	3 O'LAP	4 O'LAP	-	-	3	4	2 O'LAP	3	2 O'LAP	3
-080	500-800	-	-	-	-	-	-	-	-	-	-	-	-	2 O'LAP	3	2 O'LAP	3
-100	750-1000	-	-	-	-	-	-	-	-	-	-	-	-	2	4 O'LAP	2	4 O'LAP
-150	1000-1500	-	-	-	-	-	-	-	-	-	-	-	-	2	4 O'LAP	2	4 O'LAP
* NOTE* BCUR REDUCING SPLICES REQUIRE DIFFERENT CRIMP TOOLING AND DIES ON EACH END DUE TO REDUCING CAPABILITY.		"A" VC6-350 RELATED TOOLS:		"A" VC6-3				"A" VC6-FT RELATED TOOLS:				"A" VC7		"A" VC8C RELATED TOOLS:			
		"A" VC6-350R		"P" TPU-6		"H" REC-6630				"P" TPU-6FT		"P" TPU-6FTH		NONE			
		"A" VC6-350-SN		"H" EP-630A		"P" TPU-6H				"H" EP-750A		"A" VC6-FTR					
		"A" VC6-350R-SN		"P" TPU-6B		"A" VC6R				"A" TPU-6FTB		"H" EP-750HA					
* NOTE* BCUR REDUCING SPLICES REQUIRE DIFFERENT CRIMP TOOLING AND DIES ON EACH END DUE TO REDUCING CAPABILITY.		"A" VC6-500-BP RELATED TOOLS:		"A" VC6-3				"A" VC6-FT-BP RELATED TOOLS:				"A" VC7-FT RELATED TOOLS:		"A" VC8C RELATED TOOLS:			
		NONE		"A" VC6-3-BP				"H" REC-750				"A" VC7-FTR					
TOOL SUMMARY: REPRESENTATIVE TOOL AND RELATED TOOLS - "P" = PENN-UNION, "A" = ANDERSON, "H" = HUSKIE																REDRAWN BY: RDB 2/23/17	
USERS OF ANDERSON VC6-3 AND VC7 AND RELATED TOOLS MUST STRIP OFF AN EXTRA 1.58" OF INSULATION FROM ONE END OF CABLE TO PERMIT REMOVAL OF TOOL OVER CONDUCTOR SIZES 250 MCM AND LARGER ON "BCU", "BBCU" & "BCUR" SPLICING SLEEVES. VC8C TOOL CRIMPS 500 MCM ONLY. VC8C TOOL CRIMPS 500-600 MCM ONLY. VERSA-CRIMP® IS A REGISTERED TRADE-MARK OF HUBBELL INCORPORATED.																REV. 9Y81-55956-01	

COPPER CONNECTOR CATALOG NUMBER FOR TYPES: BLU, BCU, BBLU, BBCU, BBLZ, BCBUR	VERSA-CRIMP® TOOLS WIRE RANGE AWG OR MCM STRANDED COPPER	PENN UNION COPPER CONNECTORS FOR USE WITH VERSA-CRIMP® INSTALLATION TOOLING. (NUMBER OF REQUIRED CRIMPS PER CONNECTION BY CONNECTOR & TOOL COMBINATIONS)												UL US BCUR PRODUCTS			
		VERSA-CRIMP® TOOLS / CONNECTOR TYPES / NUMBER OF CRIMPS															
		VC6-350		VC6-500-BP		VC6-3		VC6-FT		VC7		VC7-FT		VC8C			
		BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU	BLU BCU *BCUR	BBLU BBLZ BBCU		
-6	#6	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-
-4	#4	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-
-2	#6-#2	1	2	1	2	1	2 O'LAP	1	2 O'LAP	1	2	1	2	-	-	-	-
-1	#6-#1	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-1/0	#6-1/0	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-2/0	#4-2/0	1	3	1	3	1	2	1	2	1	2	1	2	-	-	-	-
-3/0	#2-3/0	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-4/0	#1-4/0	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-025	1/0-250	2	3	2	3	2 O'LAP	2	2 O'LAP	2	2	2	2	2	-	-	-	-
-030	2/0-300	2	4	2	4	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-035	3/0-350	-	-	3 O'LAP	5	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-040	4/0-400	-	-	3 O'LAP	6	2 O'LAP	3	2 O'LAP	3	2	3	2	3	-	-	-	-
-050	4/0-500	-	-	4 O'LAP	6	2	4 O'LAP	2	4 O'LAP	2	4	2	4	1	2	1	2
-060	250-600	-	-	-	-	-	-	2	4	-	-	2	4	1	3	1	3
-075	500-750	-	-	-	-	-	-	3 O'LAP	4 O'LAP	-	-	3	4	2 O'LAP	3	2 O'LAP	3
-080	500-800	-	-	-	-	-	-	-	-	-	-	-	-	2 O'LAP	3	2 O'LAP	3
-100	750-1000	-	-	-	-	-	-	-	-	-	-	-	-	2	4 O'LAP	2	4 O'LAP
-150	1000-1500	-	-	-	-	-	-	-	-	-	-	-	-	2	4 O'LAP	2	4 O'LAP
* NOTE* BCUR REDUCING SPLICES REQUIRE DIFFERENT CRIMP TOOLING AND DIES ON EACH END DUE TO REDUCING CAPABILITY.		"A" VC6-350 RELATED TOOLS:		"A" VC6-3				"A" VC6-FT RELATED TOOLS:				"A" VC7		"A" VC8C RELATED TOOLS:			
		"A" VC6-350R		"P" TPU-6		"H" REC-6630				"P" TPU-6FT		"P" TPU-6FTH		NONE			
		"A" VC6-350-SN		"H" EP-630A		"P" TPU-6H				"H" EP-750A		"A" VC6-FTR					
		"A" VC6-350R-SN		"P" TPU-6B		"A" VC6R				"A" TPU-6FTB		"H" EP-750HA					
* NOTE* BCUR REDUCING SPLICES REQUIRE DIFFERENT CRIMP TOOLING AND DIES ON EACH END DUE TO REDUCING CAPABILITY.		"A" VC6-500-BP RELATED TOOLS:		"A" VC6-3				"A" VC6-FT-BP RELATED TOOLS:				"A" VC7-FT RELATED TOOLS:		"A" VC8C RELATED TOOLS:			
		NONE		"A" VC6-3-BP				"H" REC-750				"A" VC7-FTR					
TOOL SUMMARY: REPRESENTATIVE TOOL AND RELATED TOOLS - "P" = PENN-UNION, "A" = ANDERSON, "H" = HUSKIE																REDRAWN BY: RDB 2/23/17	
USERS OF ANDERSON VC6-3 AND VC7 AND RELATED TOOLS MUST STRIP OFF AN EXTRA 1.58" OF INSULATION FROM ONE END OF CABLE TO PERMIT REMOVAL OF TOOL OVER CONDUCTOR SIZES 250 MCM AND LARGER ON "BCU", "BBCU" & "BCUR" SPLICING SLEEVES. VC8C TOOL CRIMPS 500 MCM ONLY. VC8C TOOL CRIMPS 500-600 MCM ONLY. VERSA-CRIMP® IS A REGISTERED TRADE-MARK OF HUBBELL INCORPORATED.																REV. 9Y81-55956-01	