

Tool and Die Index for Copper Compression Connectors

Short Barrel — Types CTL, CTL-2 and CSP

Stranded Copper Wire Size	Die Colour Code	Blackburn Tools						Burdny Tools				T&B Tools				Anderson Tools					
		Mech. OD58	Crimps per End	Mech. HM-250 TOOL	Crimps per End	Hyd. JB12B	Crimps per End	Mech. MY29-3	Crimps per End	Hyd. Y35, Y39, Y46	Crimps per End	Mech. TBM5S	Crimps per End	Mech. TBM8S	Crimps per End	Hyd. TBM15	Crimps per End	CU Wire Range	VC6† VC6F†	VC7† VC7F†	VC8††
8	Red	7/32	3	**	1	B71CH	1	**	1		13454	2	13461	2	21	2					
6	Blue	1/4	3	**	1	B73CH	1	**	1	U5CRT	2	13454	2	13461	2	24	2				
4	Grey	5/16	3	**	1	B74CH	1	**	1	U4CRT	2	13454	2	13461	2	29	2				
3	White			**	2			**	2	U3CRT	2										
2	Brown	3/8	4	**	2	B75CH	1	**	2	U2CRT	2	13454	2	13461	2	33	2	6-2	1*	2	
1	Green	P	4	**	2	B05CH	1	**	2	U1CRT	2	13455	3	13462	3	37	2	6-1	1	2	
1/0	Pink	1/2	4	**	2	B06CHI	2	**	2	U25RT	2	13455	3	13462	3	42H	3	6-1/0	1	2	
2/0	Black	17/32	4	**	2	B72CH	1	**	2	U26RT	2	13455	3	13462	3	45	2	4-2/0	1	2	
3/0	Orange	9/16	4	**	2	B08CH	1	**	2	U27RT	2	13455	4	13462	4	50	2	2-3/0	2	2	
4/0	Purple	5/8-1	4	**	2	B09CH	2	**	2	U28RT	2	13456	4	13463	4	54H	3	1-4/0	2	2	
250	Yellow	11/16	4	**	2	B26CH	2	**	2	U29RT	2	13456	4	13463	4	62	2	1/0-250†	2	2	
300	White					B10CHI															
						B10CH	2			U30RT	2			13465	4	66	2	2/0-300†	2	2	
350	Red					B11CH	2			U31RT	2			13465	4	71H	3	3/0-350†	2	3	
400	Blue					B11CH	2			U32RT	3			13467	4	76	2	4/0-400†	2	3	
500	Brown					B12CHI															
						B12CH	2			U34RT	3			13468	5	87H	3	4/0-500†	2	3	
600	Green					B36CH ¹	3			U36RT ³	3					94H	3	250-600		3	
																					VC7FT only
750	Black					B39CH ¹	3			U39RT ³	3					106H	3	500-750		4	
							1														VC7FT only
1000	—						1			P44RT ⁴	4					125H	4	750-1000		2	

* CSA Listed range 4-2 with YC6 and VC6FT.

** Adjustable Indent Tool. No insert dies required.

1 HCT7508-12, HCT1239, HCT7508H only.

3 Y39, Y46 only.

4 Y46 only.

† Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CSP connectors.

†† Also use VC8 tool with aluminum nibs.

Tool and Die Index for Copper Compression Connectors

Long Barrel — Types CTL-L, LCN and CU

Stranded Copper Wire Size	Die Colour Code	Blackburn Tools						Burdny Tools				T&B Tools				Anderson Tools						
		Mech. 0058	Crimps per End	Mech. HM-250 TOOL	Crimps per End	Hyd. JB12B	Crimps per End	Mech. MY29-3	Crimps per End	Hyd. Y35, Y39, Y46	Crimps per End	Mech. TBM5S	Crimps per End	Mech. TBM8S	Crimps per End	Hyd. TBM15	Crimps per End	CU Wire Range	VC6† VC6††	VC7† VC7††	VC8†††	
8	Red	7/32	4	**	2	B71CH	2	**	2		13454	2	13461	2	21	3						
		J																				
6	Blue	1/4	4	**	2	B73CH	2	**	2	U5CRT	2	13454	2	13461	2	24	3					
4	Grey	5/16	4	**	2	B74CH	2	**	2	U4CRT	2	13454	2	13461	2	29	3					
3	White			**	3			**	2	U3CRT	2											
2	Brown	3/8	5	**	3	B75CH	2	**	3	U2CRT	2	13454	2	13461	2	33	3	6-2	2	4		
1	Green	P	5	**	3	B05CH	2	**	3	U1CRT	2	13455	4	13462	3	37	3	6-1	2	5		
1/0	Pink	1/2	5	**	3	B06CHI	2	**	3	U25RT	2	13455	4	13462	4	42H	4	6-1/0	2	5		
2/0	Black	17/32	5	**	3	B72CH	2	**	3	U26RT	2	13455	4	13462	4	45	3	4-2/0	2	5		
3/0	Orange	9/16	5	**	4	B08CH	2	**	4	U27RT	3	13455	6	13462	6	50	3	2-3/0	3	6		
4/0	Purple	5/8-1	6	**	4	B09CH	3	**	4	U28RT	3	13456	6	13463	6	54H	5	1-4/0	3	6		
250	Yellow	11/16	6	**	4	B26CH	3	**	4	U29RT	3	13456	6	13463	6	62	3	1/0-250	3	6		
300	White					B10CHI																
						B10CH	3			U30RT	3			13465	6	66	3	2/0-300	3	6		
350	Red					B11CH	3			U31RT	4			13465	6	71H	4	3/0-350	3	6		
400	Blue					B11CH	4			U32RT	4			13467	6	76	3	4/0-400	3	6		
500	Brown					B12CHI																
						B12CH	4			U34RT	5			13468	8	87H	4	4/0-500	3	6	2†††	
600	Green					B36CH ¹	6			U36RT ³	5					94H	4	250-600		8		
																					VC7FT only	3††††
750	Black					B39CH ¹																
							6															
							2			U39RT ³	6					106H	6	500-750		9		VC7FT only
4	1000	—					2			P44RT ⁴	6					125H	5	750-1000				2

** Adjustable Indent Tool. No insert dies required.

¹ HCT7508-12, HCT1239, HCT7508H only.

³ Y39, Y46 only.

⁴ Y46 only.

† Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CU connectors.

†† Also use VC8 tool with aluminum nibs.

††† VC8 tool crimps 500 kcmil only.

†††† VC8 tool crimps 500-600 kcmil only.

Tool and Die Index for Copper Compression Connectors

For Flexible Rope Stranded or Flexible Stranded Tinned Copper Locomotive Conductor Welding Cable and Portable Cord

Short Barrel — Types CTL, CTL-2 and CSP

Conductor Type						Blackburn Tools		Burndy Tools			T&B Tools		Anderson Tools				
Flex Stranded Size	Locomotive Stranding	Welding Cable	Portable Cord	Stranded CU AWG Size	Die Colour Code	Hyd. JB12B	Crimps per End	Mech. MY29-11	Crimps per End	Hyd. Y35 Y39 Y46	Crimps per End	Hyd. TBM15	Crimps per End	CU Wire Range for Locomotive Cable	VC6 [†] VC6FT	VC7 ^{††} VC7FT Crimps per End	VC8C ^{†††}
6	37/24	—	8	8	Red	B71CH	1	**	1	—	—	21	2				
6	61/24	6	6	6	Blue	B73CH	1	**	1	U5CD-1 Y34PR ³	1	24	2				
5	91/24			4	Grey	B74CH	1	**	1	U4CD-1 Y34PR	1	29	2				
4	105/24	4	4	3	White			**	2	U3CD-1 Y34PR	1						
3	125/24	3	3	2	Brown	B75CH	1	**	2	U2CD-1 Y34PR	1	33	2	4-3	1	2	
2	150/24	2	2	1	Green	B05CH	1	**	2	U1CD-1 Y34PR	1	37	2	4-2	1	2	
1	225/24	1	1	1/0	Pink	B06CHI	2	**	2	U250-1 Y34PR	1	42H	3	4-1	1	2	
1/0	275/24	1/0	1/0	2/0	Black	B72CH	1	**	2	U26CD-1 Y34PR	1	45	2	4-1/0	1	2	
2/0	325/24	2/0	2/0	3/0	Orange	B08CH	1	**	2	U270-1 Y34PR	2	50	2	2-2/0	2	2	
—	—	3/0	3/0	4/0	Purple	B09CH	2	**	2	U280-1 Y34PR	2	54H	3				
3/0	450/24	4/0		250	Yellow	B26CH	2	**	2	U290-1 Y34PR ³	2	62	2	1/0-3/0 [†]	2	2	
4/0	550/24		4/0	300	White	B12CHI B12CH	2			U300-1 Y34PR ³	2	66	2	2/0-4/0 [†]	2		
263	650/24			300	Red	B11CH	2			U310-1 Y34PR ³	2	71H	3	3/0-263 [†]	2	3	
313	775/24			400	Blue	B11CH	2			Y320-1 Y34PR ³	2	76	2	4/0-313 [†]	2	3	
373	925/24			500	Brown	B10CHI B10CH	2			U340-1 Y34PR ³		87H	3	4/0-373 [†]	2	3	2 ^{†††}
444	1100/24			600	Green	B36CH	3			C360 Y46PR ⁴	2	94H	3	262-444		3 VC7FT Only	2 ^{†††}
535	1325/24			750	Black	B39CH ¹	1			C390 Y46PR ⁴	2	106H	3	373-535		4 VC7FT Only	2
646 777	1600/24 1925/24			1000	—		1			C440 Y46PR ⁴	2	125H	4	535-777			2

** Adjustable Indent Tool. No insert dies required.
¹ HCT17508-12, HCT1239, HCT17508H only.
³ Y39 only.
⁴ Y48B only.
[†] User of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CSP connectors.
^{††} Also use VC8 tool with aluminum nibs.
^{†††} VC8 tool crimps 500 kcmil only.

Tool and Die Index for Copper Compression Connectors

Long Barrel — Types CTL-L, LNC and CU

Installation Dies and Tools

Conductor Type						Blackburn Tools		Burdny Tools				T&B Tools		Anderson Tools				
Locomotive Size	Stranding	Welding Cable	Portable Cord	Stranded CU AWG Size	Die Colour Code	Hyd. JB12B	Crimps per End	Mech. MY29-11	Crimps per End	Hyd. Y35 Y39 Y46	Crimps per End	Hyd. TBM15	Crimps per End	CU Wire Range for Locomotive Cable	VC6† VC6F†	VC7† VC7F† Crimps per End	VC8††	
8	37/24	—	8	8	Red	B71CH	2	**	2	—	—	21	3					
6	61/24	6	6	6	Blue	B73CH	2	**	2	U5CD-1 Y34PR ³	2	24	3					
5	91/24			4	Grey	B74CH	2	**	2	U4CD-1 Y34PR	2	29	3					
4	105/24	4	4	3	White			**	3	U3CD-1 Y34PR	2							
3	125/24	3	3	2	Brown	B75CH	2	**	3	U2CD-1 Y34PR	2	33	3	4-2	2	4		
2	150/24	2	2	1	Green	B05CH	2	**	3	U1CD-1 Y34PR	2	37	3	4-2	2	5		
1	225/24	1	1	1/0	Pink	B06CHI	3	**	3	U250-1 Y34PR	2	42H	4	4-1	2	5		
1/0	275/24	1/0	1/0	2/0	Black	B72CH	2	**	3	U26CD-1 Y34PR	2	45	3	4-1/0	2	5		
2/0	325/24	2/0	2/0	3/0	Orange	B08CH	2	**	4	U270-1 Y34PR	2	50	3	2-2/0	3	6		
—	—	3/0	3/0	4/0	Purple	B09CH	3	**	4	U280-1 Y34PR	3	54H	5					
3/0	450/24	4/0		250	Yellow	B26CH	3	**	4	U290-1 Y34PR ³	3	62	3	1/0-3/0†	3	6		
4/0	550/24		4/0	300	White	B12CHI B12CH	3			U300-1 Y34PR ³	3	66	3	2/0-4/0†	3	6		
263	650/24			350	Red	B11CH	3			U310-1 Y34PR ³	3	71H	4	3/0-263†	3	6		
313	775/24			400	Blue	B11CH	2			Y320-1 Y34PR ³	3	76	3	4/0-313†	3	6		
373	925/24			500	Brown	B2CHI B12CH	4			U340-1 Y34PR ³		87H	3	4/0-373†	3	6	3†††	
444	1100/24			600	Green	B36CH	6			C360 Y46PR ⁴	2	94H	4	262-444		8 VC7FT Only	3†††	
535	1325/24			750	Black	B39CH ¹	2			C390 Y48PR4	2	106H	6	373-535		9 VC7FT Only	4	
646	1600/24																	
777	1925/24			1000	—		2			C440 Y46PR ⁴	2	125H	5	535-777			4	
1111	2750/24			1500	—		2			C460 Y46PR ⁴	2	—	—	1111	—	—	4	

** Adjustable Indent Tool. No insert dies required.

¹ HCT7508-12, HCT1239, HCT7508H only.

³ Y39 only.

⁴ Y48B only.

† Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from end of cable to permit removal of tool over conductor sizes 250 kcmil and larger on CU connectors.

†† Also use VC8 tool with aluminum nibs.

††† VC8 tool crimps 500 kcmil only.

Tool and Die Index for Copper Compression Connectors

One and two hole Lugs, Splices — Types ATL and ASP

Stranded AL Wire Size	Stranded CU Wire Size	Die Colour Code	Blackburn Tools							Burdny Tools				T&B Tools					Anderson Tools		
			Mech. OD58	Crimps per End	Mech. HM-250 TOOL	Crimps per End	Hyd. JB12B	Crimps per End	Mech. MY29-3	Crimps per End	Hyd. Y35 Y39	Crimps per End	Mech. TBM5S	Crimps per End	Mech. TBM8S	Crimps per End	Hyd. TBM15	Crimps per End	Stranded AL or CU Wire Range	VC6† VC6FT Crimps per End	VC8C
8	6	Blue	1/4	2	**	1	B73CH	1	**	1	U8CABT	1	13454	2	13461	2	24	2			
6	4	Grey	5/16	2	**	1	B74CH	1	**	1	U6CABT	2	13454	2	13461	2	29	2			
4	1	Green	P	3	**	2	B05CH	1	**	2	U4CABT	2	13455	2	13462	2	37	2			
2	1/0	Pink	1/2	4	**	2	B06CHI	2	**	2	U2CABT	2	13455	3	13462	3	42H	3	6-2	2	
1		Gold	1/2-1	3	**	2	B06CHI	2	**	2	U1CABT	2	13455	3	13464	3	45	2	4-1	2	
1/0		Tan	9/16	4	**	2	B08CH	2	**	2	U25ART	2	13457	3	13464	3	50	2	6-1/0	2	
2/0		Olive	5/8-1	4	**	2	B09CH	2	**	2	U26ART	2	13457	3	13464	3	54H	3	4-2/0	2	
3/0		Ruby	688	5	**	2	B26CH	2	**	2	U27ART	2	13457	3	13464	3	60	2	4-3/0	2	
4/0	300	White	781	5	**	2	B10CHI	2	**	2	U28ART	2	13457	3	13465	4	66	3	2-4/0	2	
250	350	Red	781	5	**		B11CH	3	**	2	U29ART	2	13473	4	13466	5	71H	4	1/0-250†	2	
300	400	Blue	840				B11CH	3			U30ART	2					76	2	1/0-300†		
350	500	Brown					B12CHI	4			U31ART	2		13468	7		87H	4	2/0-350†	2	
400	600	Green					B36CH	6			U32ART	4					94	2	3/0-400†	2	
500	700	Pink					B76CH	4			U34ART	4					99H	4	4/0-500†	2	
600		Black					B39CH	2			U36ART	4					106	2	350-600 AL 350-600 CU	3††	
750	900						6024AH ¹	1		U39RT2 ²	4	U39ART-2 ³	4				125H	5	500-750 AL 600 CU	2†††	
1000							6030AH ¹	2		P44ART ²	3						150H	5	750-1000 AL	2†††	

** Adjustable Indent Tool. No insert dies required.

¹ HCT7508-12, HCT1239, HCT7508H only.

² Y46 only.

³ Y39 only.

† Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from end of cable to permit removal of tool over conductor sizes

250 kcmil and larger on ASP connectors.

†† VC6FT tool only.

††† With AL nibs for VC8C.