

Tool and Die Index for Color-Coded Compression Connectors



Short Barrel — Types CTL, CTL-2 and CSP

COPPER STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN TOOLS						BURNDY TOOLS				T&B TOOLS					ANDERSON TOOLS				
		MECH. OD58	CRIMPS PER END	MECH. NRG 2506	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 [†] VC6FT CRIMPS PER END	VC7 [†] VC7FT CRIMPS PER END	VC8C ^{††} VC8FT CRIMPS PER END
8	RED	½	3	**	1	B71CH	1	**	1		13454	2	13461	2	21	2					
6	BLUE	J ¼	3	**	1	B73CH	1	**	1	U5CRT	2	13454	2	13461	2	24	2				
4	GRAY	⅝	3	**	1	B74CH	1	**	1	U4CRT	2	13454	2	13461	2	29	2				
3	WHITE			**	2			**	2	U3CRT	2										
2	BROWN	⅜	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	½	4	**	2	B06CHI	2	**	2	U25RT	2	13455	3	13462	3	42H	3	6-1/0	1	2	
2/0	BLACK	⅞	4	**	2	B72CH	1	**	2	U26RT	2	13455	3	13462	3	45	2	4-2/0	1	2	
3/0	ORANGE	⅞	4	**	2	B08CH	1	**	2	U27RT	2	13455	4	13462	4	50	2	2-3/0	2	2	
4/0	PURPLE	¾-1	4	**	2	B09CH	2	**	2	U28RT	2	13456	4	13463	4	54H	3	1-4/0	2	2	
250	YELLOW	⅞	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	4/0-500V	2	3	
600	GREEN					B36CH ¹	3			U36RT ³	3					94H	3	250-600	3	VC7FT only	
750	BLACK					B39CH ¹ 6039RT ²	3 1			U39RT ³	3					106H	3	500-750	4	VC7FT only	2
1000	—					6044RT ²	1			P44RT ⁴	4					125H	4	750-1000			2

Long Barrel — Types CTL-L, LCN and CU

COPPER STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN TOOLS						BURNDY TOOLS				T&B TOOLS					ANDERSON TOOLS				
		MECH. OD58	CRIMPS PER END	MECH. NRG 2506	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 [†] VC6FT CRIMPS PER END	VC7 [†] VC7FT CRIMPS PER END	VC8C ^{††} VC8FT CRIMPS PER END
8	RED	½	4	**	2	B71CH	2	**	2		13454	2	13461	2	21	3					
6	BLUE	J ¼	4	**	2	B73CH	2	**	2	U5CRT	2	13454	2	13461	2	24	3				
4	GRAY	⅝	4	**	2	B74CH	2	**	2	U4CRT	2	13454	2	13461	2	29	3				
3	WHITE			**	3			**	3	U3CRT	2										
2	BROWN	⅜	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	½	5	**	3	B06CHI	2	**	3	U25RT	2	13455	4	13462	4	42H	4	6-1/0	2	5	
2/0	BLACK	⅞	5	**	3	B72CH	2	**	3	U26RT	2	13455	4	13462	4	45	3	4-2/0	2	5	
3/0	ORANGE	⅞	5	**	4	B08CH	2	**	4	U27RT	3	13455	6	13462	6	50	3	2-3/0	3	6	
4/0	PURPLE	¾-1	6	**	4	B09CH	3	**	4	U28RT	3	13456	6	13463	6	54H	5	1-4/0	3	6	
250	YELLOW	⅞	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 6039RT ²	6 2			U39RT ³	6					106H	6	500-750	9	VC7FT only	4
1000	—					6044RT ²	2			P44RT ⁴	6					125H	5	750-1000			2

* CSA Listed range 4-2 with YC6 and VC6FT

** Adjustable Indent Tool.
No insert dies required

• JB12A, JB12B, HCT1239, HCT7508-12, HCT7508H

¹ HCT7508-12, HCT1239, HCT7508H only

² JB60A, JB60B only

³ Y39, Y46 only

⁴ Y46 only

[†] Users of VC6 and VC7 tools must strip off an extra 1/8" of insulation from end of conductor sizes 250 MCM and larger on CU connectors

^{††} Also use VC8 tool with aluminum nibs

^{†††} VC8 tool crimps 500 MCM only

^{††††} VC8 tool crimps 500-600 MCM only

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			
LOCOMOTIVE SIZE	STANDING	WELDING CABLE	PORTABLE CORD	STRANDED CU AWG SIZE	DIE COLOR 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	VC8C ^{††} VC8FT
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	GRAY	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	B06CH	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	B12CH 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	4/0-313V	2	3	
373	925/24			500	BROWN	B10CH B10CH	2			U340-1 Y34PRV		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 6039RT ²	1			C390 Y46PR ⁴	2	106H	3	373-535		4 VC7FT Only	2
646	1600/24				—					C440	2	125H	4	535-777			2
777	1925/24			1000	—	6044RT ²	1			Y46PR4							

** Adjustable Indent Tool. No insert dies required

* JB12A, JB12B, HCT7508-12, HCT7508H, HCT1239

¹ HCT7508-12, HCT7508H, HCT1239 only

² JB60A, JB60B only

³ Y39 only

⁴ Y48B only

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

†† Also use VC8 tool with aluminum nibs

††† VC8 tool crimps 500 KCMIL only

Tool and Die Index for Color-Coded Compression Connectors

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

Long Barrel — Types CTL-L, LNC and CU

CONDUCTOR TYPE					DIE COLOR CODE	BLACKBURN TOOLS		BURNDY TOOLS				T&B TOOLS		ANDERSON TOOLS			
LOCOMOTIVE SIZE	STANDING	WELDING CABLE	PORTABLE CORD	STRANDED CU AWG SIZE		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	VC8‡ VC8C††
8	37/24	—	8	8	RED	B71CH	2	**	2	—	—	21	3				
6	61/24	6	6	6	BLUE	B73CH	2	**	2	U5CD-1 Y34PR [‡]	2	24	3				
6	91/24			4	GRAY	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	B06CH	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	62	3	1/0-3/0 [†]	3	6	
4/0	550/24		4/0	300	WHITE	B12CH B12CH	3			U300-1 Y34PR [‡]	3	66	3	2/0-4/0 [†]	3	6	
263	650/24			350	RED	B11CH	3			U310-1 Y34PR [‡]	3	71H	4	3/0-263 [†]	3	6	
313	775/24			400	BLUE	B11CH	2			Y320-1 Y34PR [‡]	3	76	3	4/0-313 [†]	3	6	
373	925/24			500	BROWN	B2CH B12CH	4			U340-1 Y34PR [‡]		87H	3	4/0-373V	3	6	3 ^{†††}
444	1100/24			600	GREEN	B36CH	6			C360 Y46PR [‡]	2	94H	4	262-444		8 VC7FT Only	3 ^{†††}
535	1325/24			750	BLACK	B39CH [†] 6039RT [‡]	2			C390 Y48PR [‡]	2	106H	6	373-535		9 VC7FT Only	4
646 777	1600/24 1925/24			1000	—	6044RT [‡]	2			C440 Y46PR [‡]	2	125H	5	535-777			4
1111	2750/24			1500	—	6030AH [‡]	2			C460 Y46PR [‡]	2	—	—	1111	—	—	4

** Adjustable Indent Tool. No insert dies required

* JB12A, JB12B, HCT7508-12, HCT7508H, HCT1239

[†] HCT7508-12, HCT7508H, HCT1239 only

[‡] JB60A, JB60B only

[‡] Y39 only

[‡] Y48B only

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

†† Also use VC8 tool with aluminum nibs

††† VC8 tool crimps 500 KCML only

One and Two Hole Lugs, Splices — Types ATL and ASP

AL OR CU STRAND WIRE SIZE	DIE COLOR CODE	BLACKBURN TOOLS						BURNDY TOOLS				T&B TOOLS					ANDERSON TOOLS			
		MECH. OD58	CRIMPS PER END	MECH. NRG 2506	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. TBM6S	CRIMPS PER END	HYD. TBM15	CRIMPS PER END	AL OR CU WIRE RANGE	VC6 [†] VC6FT CRIMPS PER END	VC8C
8	BLUE	¼	2	**	1	B73CH	1	**	1	U8CABT	1	13454	2	13461	2	24	2			
6	GRAY	⅜	2	**	1	B74CH	1	**	1	U6CABT	2	13454	2	13461	2	29	2			
4	GREEN	P	3	**	2	B05CH	1	**	2	U4CABT	2	13455	2	13462	2	37	2			
2	PINK	½	4	**	2	B06CHI	2	**	2	U2CABT	2	13455	3	13462	3	42H	3	6-2	2	
1	GOLD	½-1	3	**	2	B06CHI	2	**	2	U1CABT	2	13455	3	13464	3	45	2	4-1	2	
1/0	TAN	⅝	4	**	2	B06CH	2	**	2	U25ART	2	13457	3	13464	3	50	2	6-1/0	2	
2/0	OLIVE	⅝-1	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	WHITE	781	5	**	2	B10CHI	2	**	2	U28ART	2	13457	3	13465	4	66	3	2-4/0	2	
250	RED	781	5	**		B11CH	3	**	2	U29ART	2	13473	4	13466	5	71H	4	1/0-250†	2	
300	BLUE	840				B11CH	3			U30ART	2					76	2	1/0-300†		
350	BROWN					B12CHI	4			U31ART	2		13468	7	87H	4		2/0-350†	2	
400	GREEN					B36CH	6			U32ART	4				94	2		3/0-400†	2	
500	PINK					B76CH	4			U34ART	4				99H	4		4/0-500†	2	
600	BLACK					6039RT [‡]	2			U36ART	4				106	2		350-600 AL 350-600 CU	3 ^{††}	
750						6024AH [†]	1	U39RT2 [‡]	4	U39ART-2 [‡]	4				125H	5		500-750 AL 600 CU		2 ^{†††}
1000	—					6030AH [†]	2	P44ART [‡]	3						150H	5		750-1000 AL		2 ^{†††}

• JB12A, JB12B, HCT7508-12, HCT1239

** Adjustable Indent Tool. No insert dies required

[†] JB60A, JB60B only

[‡] Y46 only

[‡] Y39 only

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

^{††} VC6FT tool only

^{†††} With AL nibs for VC8C