

# Color-Keyed<sup>®</sup>

## Tool Die Selection Charts



The following charts do not apply to catalogue series 61905-61975, 61102-61178, IBG2-10, IBG20-40, 63105-63180, 53000, 52000 and 15KV copper and aluminum connectors.

For installing die information see pages illustrating these connector series. On some sizes, for special flexible strandings, consult your Regional Sales Office.

All 15500 die series require die adapter 15500TB for TBM15 tools only. Add suffix **F** to 15500 die series to avoid use of adapter. 15600 series dies fit TBM15 tools only. No adapter required.

### Connector, Tool and Die Chart

Connector Size			Color-Keyed Die Color	TBM25S	TBM4S	TBM8-750/-1	TBM-8 / 8S	TBM-5 / 5S	TBM6 / 6S (25000)		13642M (13400) Hydraulic Head		TBM12 Hydraulic Head						
Code Copper	Flex/24	AL/CU							TBM8 Die Cat. No.	TBM5 Die Cat. No.	Cat. No. Upper Die	Cat. No. Lower Die	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.			
8 AWG	37/24	10 AWG	Red	↕	↕	↕	order 13461	order 13454	13475	13477	11732	21	TBM12D-1	21					
6 AWG	61/24	8 AWG	Blue						13475	13477	11733	24	TBM12D-1	24					
4 AWG	91/24	6 AWG	Gray						13472	13476	11734	29	TBM12D-2	29					
2 AWG	125/24		Brown						13474	13477	11735	33	TBM12D-2	33					
1 AWG	150/24	4 AWG	Green	C-Taps Only	↕		order 13462	order 13455	13474	13477	11736	37	TBM12D-3	37					
1/0	225/24	2 AWG	Pink						13475	13477	11737	42	TBM12D-3	42					
2/0	275/24		Black						13474	13477	11738	45	TBM12D-4	45					
3/0	325/24		Orange						13474	13477	11739	50	TBM12D-4	50					
4/0	450/24		Purple	↕			order 13463	order 13456	13475	13477	11740	54	TBM12D-5	54					
250 kcmil	550/24		Yellow						13473	13476	11771	62	TBM12D-5	62					
		1 AWG	Gold									order 13464	order 13457	13474	13477	11738	45	TBM12D-4	45
		1/0	Tan											13474	13477	11739	50	TBM12D-4	50
		2/0	Olive	13475	13477	11740	54	TBM12D-5						54					
		3/0	Ruby	13473	13476	11741	60	TBM12D-5						60					
300 kcmil	775/24 (short) 775/24 (long) 925/24*	4/0	White				13465	13458 4/0 only	13473	13476	11742	66H	TBM12D-5	66H					
350 kcmil		250 kcmil	Red						13472	13476	11743	71H	TBM12D-4	71H					
400 kcmil		300 kcmil	Blue						13472	13476	11744	76H	TBM12D-4	76H					
		N/A							13479	13476	11745	80H							
500 kcmil		N/A					13468				11746-TB	87H	TBM12D-3	87H					
		N/A																	
		350 kcmil	Brown																
600 kcmil	1100/24	400 kcmil	Green								11747	94H	TBM12D-3	94H					
	1325/24**		Green																
									Pink										
									Pink										
700 kcmil		500 kcmil	Black								11748	99H	TBM12D-2	99H					
750 kcmil		650 kcmil	Orange																
800 kcmil			Purple																
			Yellow																
900 kcmil	1925/25	700 kcmil									11751	112H	TBM12D-1	112H					
		750 kcmil																	
		800 kcmil																	
1000 kcmil		1000 kcmil														11753	115H	TBM12D-1	115H

\* Standard barrel only. Long barrel requires Brown 87H.  
 \*\* Standard barrel only. Long barrel requires Black 106H.

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## Connector, Tool and Die Chart (continued)

Connector Size			Color-Keyed Die Color	TBM6BSCR / 6H		TBM62BSCR		TBM14BSCR / 14M / 13100A*		TBM15BSCR / 15I***		21940 (40 TON)	
Code Copper	Flex/24	AL/CU		Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.
8 AWG	37/24	10 AWG	Red	6TON21	21	TBM6221	21	15520	21	15520	21		
6 AWG	61/24	8 AWG	Blue	6TON24	24	TBM6224	24	15522	24	15522	24		
4 AWG	91/24	6 AWG	Gray	6TON29	29	TBM6229	29	15527-CK	29	15527-CK	29	11401	29
2 AWG	125/24		Brown	6TON33	33	TBM6233	33	15528	33	15528	33	11402	33
1 AWG	140/24	4 AWG	Green	6TON37	37	TBM6237	37	15513-CK	37	15513-CK	37	11333	37
1/0	225/24	2 AWG	Pink	6TON42	42	TBM6242	42	15508	42	15508	42H	11334	42
2/0	275/24		Black	6TON45	45	TBM6245	45	15526	45	15526	45	11405	45
3/0	325/24		Orange	6TON50	50	TBM6250	50	15530	50	15530	50	11406	50
4/0	450/24		Purple	6TON54	54	TBM6254	54	15511	54	15511	54H	11407	54H
250 kcmil	550/24		Yellow	6TON62	62	TBM6262	62	15510-CK	62	15510-CK	62	297-31669-7	62
		1 AWG	Gold	6TON45	45	TBM6245	45	15526	45	15526	45	11405	45
		1/0	Tan	6TON50	50	TBM6250	50	15530	50	15530	50	11406	50
		2/0	Olive	6TON54	54	TBM6254	54	15511	54	15511	54H	11407	54
		3/0	Ruby	6TON60	60	TBM6260	60	15532-CK	60	15532-CK	60	11408	60
300 kcmil		4/0	White	6TON66	66H	TBM6266	66	15534	66H	15534	66H	11409	66
350 kcmil	775/24(short)	250 kcmil	Red	6TON71	71H	TBM6271	71	15514-CK	71H	15514-CK	71H	11363	71
400 kcmil	775/24(long)	300 kcmil	Blue	6TON76	76H	TBM6276	76	15512	76H	15512	76H	11410	76
	925/24*		N/A	6TON80	80H	TBM6280	80	15517	80H	15517	80H		
			N/A							15606	80		
500 kcmil		350 kcmil	Brown	6TON87	87H	TBM6287	87	15506	87H	15506	87H	11423	87
600 kcmil	1100/24	400 kcmil	Green	6TON94	94H					15611	94H	11364	94
			Green					15536-CK	94H	15536-CK	94H		
	1325/24**		Pink										
700 kcmil		500 kcmil	Pink		99H			15505	99H	15505	99H	11424	99
750 kcmil		650 kcmil	Black		106H			15515-CK	106H	15515-CK	106H	74506	106
800 kcmil			Orange		107H					15608	107H	11425	107
		700 kcmil	Purple		112H					15609	112H	11426	112
900 kcmil	1925/24	750 kcmil	Yellow		115H			15504	115H	15504	115H	11308	115
1000 kcmil		800 kcmil								15603	125H	11416	125
		1000 kcmil								15602	140H	11418	140
										15601	150H	11419	150

\* Standard barrel only. Long barrel requires Brown 87H.

\*\* Standard barrel only. Long barrel requires Black 106H.

\*\*\* 15500 Series dies require 15500-TB adapter. 15500F for full size die to fit TBM15I without adapter.

COMPRESSION CONNECTORS

# Color-Keyed®

## Connector, Tool and Die Chart For Copper H-Taps

Conductor Size Code Cable (Flex Cable)				Installation							
Main	Branch 1	Branch 2	Branch 3	H-Tap	Color	DIE	TOOL	# of crimps	Die Embossing	Strip Length	Insulating Cover
8-14 (8-14)	8-14 (8-14)	–	–	CHT814-10	Green	15CA37RCH*	Group 1	1	37R	½"	HTC2S
2-6 Str / Sol (2-8)	2-6 Str / Sol (2-8)	8-14 (8-14)	8-14 (8-14)	CHT214-9	Brown	15CA71RCH*	Group 1	1	71R	¾"	HTC40
250-2 (4/0-2)	8-14 (8-14)	8-14 (8-14)	–	CHT250214-8	Purple	15CA80RCH*	Group 2	1	80R	1½"	
250-2 (4/0-2)	2-6 Str / Sol (2-8)	8-14 (8-14)	–	CHT25014-7	Purple	15CA80RCH*	Group 2	1	80R	1½"	
250-2 (4/0-2)	250-2 (4/0-2)	–	–	CHT2502-6	Purple	15CA80RCH*	Group 2	1	80R	1¾"	
500-4/0 (350-4/0)	250-1/0 (4/0-1/0)	1 Str 2-6 (1-8)	8-14 (8-14)	CHT50010-5	Brown	15612CH	Group 2	2	N	1½"	HTC500
500-4/0 (350-4/0)	500-4/0 (350-4/0)	–	–	CHT50040-4	Brown	15612CH	Group 2	2	N	1½"	
750-350 (550-500)	4/0-1/0 (250-1/0)	1 Str 2-6 (1-8)	2-14 (2-14)	CHT75010-3	Yellow	15620CH	Group 2	1	Z	1½"	
750-350 (550-500)	750-350 (550-350)	–	–	CHT750350-2	Yellow	15620CH	Group 2	1	Z	1¾"	
750 (750-500)	350-4/0 STR & FLEX	–	–	CHT75040-11	Yellow	15620CH	Group 2	1	Z	1½"	HTC1000
(750-500) (750)	(750-500) (350)	–	–	CHT750350-1F	White	15620CHF	Group 2	1	F	1½"	

\* Requires optional adapter 15500-TB when used with hydraulic head TBM15I and TBM15BSCR

Group 1 = TBM15I, TBM15BSCR, TBM14M, TBM14BSCR, 13100A

Group 2 = TBM15I, TBM15BSCR

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## Connector, Tool and Die Chart For Small C-Taps

**COMPRESSION CONNECTORS**

CODE WIRE COMB. CIR. AREA RANGE		C-Tap	Color	Group 1	TBM62BSCR	SMART Tool	Group 2	Group 3	INSULATION CHOICE					
Main	Branch 1			DIE	DIE	DIE			ADHESIVE	SHRINK TUBING				
12	14	54705	Red	6TON21	TBM6221	-	↑ Accommodates This Range ↓	↑ Accommodates This Entire Range ↓	AC5X3	HS12-6				
14	16													
10	10													
8	12													
6	10,12													
8	8,10,12													
4 OR 5	8, 10, 12	54720	Brown	6TON33	TBM6233	TBM8-750C20			↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓	AC5X3	HS6-1		
6	6, 8													
3	6, 8, 10, 12 ***													
4 OR 5	6, 5	54730	Pink	6TON42	TBM6242	TBM8-750C2530					↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓	AC5X3	HS6-1
2	6, 8, 10, 12													
3	5													
4	3													
1	4, 5, 6, 8, 10, 12	54735	Black	6TON45	TBM6245	TBM8-750C3540	↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓					AC5X3	HS6-1
2	4, 5													
3	3, 4													
1/0	4, 5, 6, 8, 10, 12	54740	Orange	6TON50	TBM6250	TBM8-750C3540			↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓			AC5X3	HS4-30
1	3, 4													
2	2, 3													
2/0	3, 4, 5, 6, 8, 10, 12	54745	Purple	6TON54	TBM6254	TBM8-750C4550					↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓	AC5X3	HS4-30
1/0	2, 3													
1	1, 3													
3/0	2, 3, 4, 5, 6, 8, 10, 12	54750	Yellow	6TON62	TBM6262	TBM8-750C4550							↑ Accommodates This Entire Range ↓	↑ Accommodates This Entire Range ↓
2/0	1, 2													
1/0	1/0, 1													

\*\*\* When using 3 AWG on main and 12 AWG on branch with smart tools and dies, 12 AWG wire must be doubled (hair-pinned) and placed on branch for crimping  
 Group 1 = TBM6H / TBM6BSCR  
 Group 2 = TBM25S, TBM21E and require 2 compressions within each crimp area  
 Group 3 = TBM5 / 5S, TBM6 / 6S, TBM8 / 8S, TBM6H and require 1 compression within each crimp area

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## Connector, Tool and Die Chart For Large C-Taps

CODE COPPER RANGE		REGULAR TOOLS						SMART TOOL			INSULATION CHOICE	
Main	Branch 1	C-Tap *	Color	TOOLS	DIES	DIE CODE	# OF CRIMPS***	TOOLS	DIE	# OF CRIMPS	ADHESIVE PAD	SHRINK TUBING
1	1	54755	Blue	13642M	11744	76H	2	TBM8-750	TBM8-750CL	1	AC5X7	HS4-30
1/0	1/0-2			TBM12	TBM12D-4			TBM8-750M-1				
2/0	2/0-4			TBM14M	76	1						
3/0	1/0-6			TBM15I			15512 **					
4/0	1-8			13100A								
2/0	2/0-1	54760	Brown	TBM14BSCR	11746-TB	87H	2		2			
3/0	3/0-3			TBM15BSCR	TBM12D-3							
4/0	4/0-4											
250	1/0-8			15506 **								
2/0	2/0-1	54765	Pink		11748	99H						
3/0	3/0-2			TBM12D-2								
4/0	4/0-4											
250	3/0-6			15505 **								
300	2/0-8											
4/0	4/0-2/0	54770	Black		11749	106H						
250	250-1			TBM12D-2								
300	4/0-4											
350	3/0-6			15515 -CK **								
250	250	54775	Yellow		11753	115H						
300	300-3/0			TBM12D-1								
350	350-1/0											
400	300-2			15504 **								
450	250-4											
500	250-6****											
350	350-4/0	54780	N/A	TBM15I	15603	125H						
400	400-2/0			TBM15BSCR								
450	450-1											
500	500-2											
750	4/0-6			54785								3
500	4/0-1/0			4								
750/500	750-4/0	54790										HS500-1000

\* For tin plate finish add "TP" to Cat. No. listed (Example: 54755TP)

\*\* Use with adapter Cat. No. 15500-TB (Note: If 15500 dies have a suffix "F" they are full sized dies and can be used with the TBM15I without an adapter.

\*\*\* When using compact copper cable, apply additional overlapping crimps so that C-tap is crimped from end to end.

\*\*\*\* #6 AWG branch must be doubled

11000 series dies go with 13642M tool, TBM12D-# series dies go with TBM12 tool, and 15500 series dies go with TBM14M/14BSCR/13100A/TBM15I/15BSCR