

## INSTRUCTION SHEET

# Compression Connectors, large C-Tap

## Compression taps for 600 V applications

### Color-Keyed<sup>®</sup>



### Important

Read and understand all instructions and safety information before use. Be aware of proper usage and potential hazards.



#### WARNING:

- Risk of shock, disconnect power before installation.
- Do not crimp on energized wires.



#### CAUTION:

- Product should be installed by a qualified electrician in accordance with national and local electrical codes.

#### General information:

- Made of high conductivity copper.
- UL and CSA listed for copper cables - 600V applications
- UL listed for direct burial
- Each C-Tap contains a range of conductor sizes.
- Color coded to assist in the matching of installing die and connector.

#### Installation instructions:

1. Strip the insulation (Figure 1) from cable to length specified in table (on reverse side) taking care not to nick cable strands.
2. Clean cable end with wire brush or emery cloth.
3. Table 1 on reverse side specifies information on color coding, dies, tools, codes and insulating methods.
4. Place C-Tap over main cable and branch cable. (Figure 2) for typical applications.
5. Select proper installing die for the connector from Table 1 on reverse side. **Caution:** Use of improper installing die may result in a malfunctioning connection.
6. Orient C-Tap in dies as shown in Figure 3, and crimp between color bands marked on C-Tap. Apply first crimp near the center of the connector and work towards the end. Repeat on the other side. When using compact copper cable, apply additional overlapping crimps so that C-Tap is crimped from end to end.
7. After crimping, remove all sharp edges, flash or burrs.

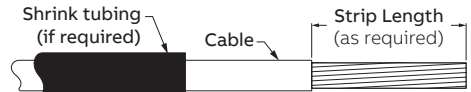


Figure 1

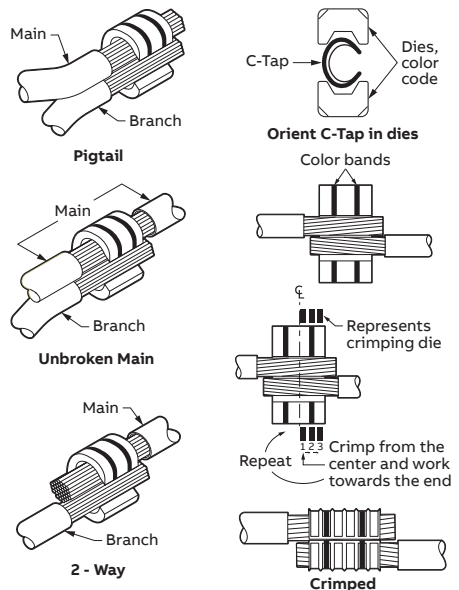


Figure 2  
Typical applications

Figure 3  
Crimping area

**Table 1**  
Color coding, dies, tools, codes and insulating methods

Product selection												
Part no.	Cable range Copper		Part no. Installing tool	Crimp dies		No. of Crimps †	Part no. Installing tool	Crimp die	No. of crimps	Color code	Insulation methods	
	Main	Branch		Part no.	Code no.						Shrink tubing	Adhesive pad
54755	1	1	13642M TBM12 TBM14M TBM15PF	11744	76H	2	TBM8-750 TBM8-750-1	TBM8-750CL	1	Blue	HS4-30	AC5X7
	1/0	1/0 - 2		TBM12D-4	76H	2						
	2/0	2/0 - 4		15512	76	1						
	3/0	1/0 - 6		1212**	76	1						
	4/0	1 - 8		1212**	76	1						
54760	2/0	2/0 - 1		11746	87H	2			2	Brown	HS40-400	AC5X7
	3/0	3/0 - 3	TBM12D-3									
	4/0	4/0 - 4	15506									
	250	1/0 - 8	15506**									
54765	2/0	2/0 - 1		11748	99H	2			2	Pink	HS4-30	AC5X7
	3/0	3/0 - 2	TBM12D-2									
	4/0	4/0 - 4	15505									
	250	3/0 - 6	15505**									
	300	2/0 - 8	15505**									
54770	4/0	4/0 - 2/0		11749	106H	2			2	Black	HS40-400	AC5X7
	250	250 - 1	TBM12D-2									
	300	4/0 - 4	15515									
	350	3/0 - 6	15515**									
54775	250	250		11753	115H	2			2	Yellow	HS40-400	AC5X7
	300	300 - 1/0	TBM12D-1									
	350	350 - 1/0	TBM12D-1									
	400	300 - 2	15504									
	450	250 - 4	15504**									
	500	250 - 6*	15504**									
54780	350	350 - 4/0	TBM15PF	15603	125H	2	N/A	N/A	N/A	—	HS40-400	AC5X7
	400	400 - 2/0										
	450	450 - 1										
54785	500	500 - 2	TBM15PF	15603	125H	2	N/A	N/A	N/A	N/A	—	AC5X7
	750	4/0 - 6	TBM15PF	15603	125H	3	N/A	N/A	N/A	N/A	—	AC5X7
54790	500	4/0 - 1/0										
	750 to 500	750 to 4/0	TBM15PF	15603	125H	4	N/A	N/A	N/A	N/A	—	AC5X7


Note: Product must be installed in accordance with applicable national and local electrical codes.

Note: Shrink tubing not applicable on an unbroken continuous main.

\* #6 AWG branch must be doubled.

\*\* Use with adapter Part no. 15500. Note: if 15500 dies have a suffix "F" they are full sized dies and must be used with the TBM15PF with an adapter.

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

—  Product search



electrification.us.abb.com (US/LATAM)  
tnb.ca.abb.com (Canada)  
abb.com  
Warranty: tnb.abb.com/ecpwarranty

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