



COLOR-KEYED C-TAP CONNECTORS INSTALLATION INSTRUCTIONS

GENERAL INFORMATION

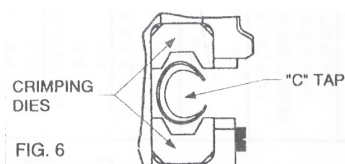


- Made of high conductivity copper.
- UL and CSA listed for copper cables - 600V applications.
- UL approved for Direct Burial.
- Each "C" tap contains a range of conductor sizes.
- Color coded to eliminate mismatching of installing die and connector.

INSTALLATION INSTRUCTIONS

1. Strip the insulation from cable as required. Be careful not to nick cable strand which may later result in strands breaking.
2. Cable end should be clean, wire brush or clean with emery cloth if necessary, then place "C" tap over main and insert branch.
3. Table on reverse side contains information on color coding and connector combinations. Compress "C" tap with appropriate color code tool - TBM20S installs Catalog Nos. 54705 through 54720, TBM21E and TBM25S installs catalog numbers 54705 through 54725 and requires two compressions within each crimp area. TBM4S, TBM5, TBM5S, TBM6, TBM6H, TBM6S, TBM6ORS, TBM8, TBM8S and TBM50S install Catalog nos. 54705 through 54750 and require only one compression within each crimp area (TBM6D-1 die kit required when using TBM6 and TBM6S). TBM55RS Rachet tool installs 54720 through 54750 and requires only one compression within each crimp area. The TBM6H six ton hydraulic tool installs catalog numbers. 54705 through 54750. SMART® tools TBM8-750 and TBM8-750M-1 install Catalog nos. 54720 through 54750. See chart below for installing die information. CAUTION: Using improper installing dies may result in the connector failing in service.

4. Orient "C" tap in dies as shown in figure 6.
5. After crimping, remove all sharp edges, flash or burrs due to crimping dies.
6. Insulating methods found on reverse side.



7. Special Bonding and Grounding application. To connect #6AWG flat bonding ribbon to 1/0 stranded cable place that flat ribbon over the back wall of C-tap 54740 as shown in figure 5 (on reverse side) and position the 1/0 cable over the ribbon. Crimp normally with TBM5S or TBM55RS. Three crimps are required.

Installing Die Catalog No.	Connector Catalog No.
TBM8-750C20	54720
TBM8-750C2530	54725 & 54730
TBM8-750C3540	54735 & 54740
TBM8-750C4550	54745 & 54750



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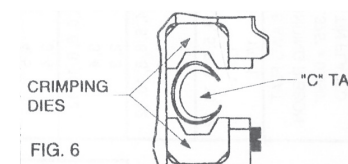


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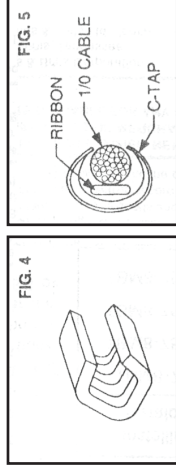
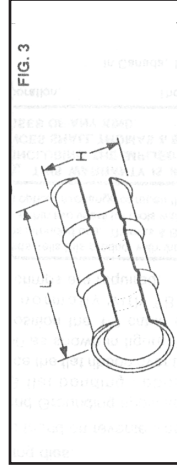
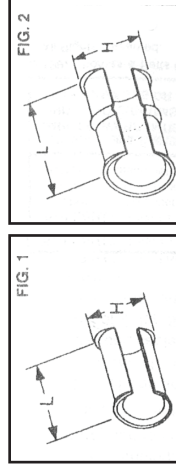
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5. After crimping, remove all sharp edges, flash or burrs due to crimping dies.
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7. Special Bonding and Grounding application. To connect #6AWG flat bonding ribbon to 1/0 stranded cable place that flat ribbon over the back wall of C-tap 54740 as shown in figure 5 (on reverse side) and position the 1/0 cable over the ribbon. Crimp normally with TBM5S or TBM55RS. Three crimps are required.

Installing Die Catalog No.	Connector Catalog No.
TBM8-750C20	54720
TBM8-750C2530	54725 & 54730
TBM8-750C3540	54735 & 54740
TBM8-750C4550	54745 & 54750

Installation Choice						Installs Wire Combinations in Circular Mil Area range****		
Shrink Tubing	Adhesive	Catalog No.	Installing Die Color	Fig. No.	L (Approx.)	H (Approx.)	Main	Branch
HS12-6	AC4x3	CF-101	red	4	5/16	5/16	12 14	14 16
		CF-102	blue	1	9/16	7/16	10 8	10 12
		CF-103	grey	1	9/16	5/8	6 8	10, 12 8, 10, 12
		CF-104	brown	2	1-5/32	11/16	4 or 5 6	8, 10, 12 6, 8
		CF-105	green	2	1-5/32	13/16	3 4 or 5	6, 8, 10, 12 6, 5***
HS4-30		CF-106	pink	2	1-5/32	27/32	2 3 4	6, 8, 10, 12 5 3
		CF-107	black	3	1-11/16	7/8	1 2 3	5, 6, 8, 10, 12 4, 5 3, 4
		CF-108	orange	3	1-11/16	31/32	1/0 1 2	4, 5, 6, 8, 10, 12 3, 4 2, 3
		CF-109	purple	3	1-11/16	1-1/16	2/0 1/0 1	3, 4, 5, 6, 8, 10, 12 2, 3 1, 2
		CF-110	yellow	3	1-11/16	1-3/16	3/0 2/0 1/0	2, 3, 4, 5, 6, 8, 10, 12 1, 2 1/0, 1
*	*	CF-108	orange	3	1-11/16	31/32	1/0	6AWG FLAT BONDING RIBBON .375" x .050" TIN PLATED
**	**	CF-104	brown	2	1-5/32	11/16	6 SOLID	6 SOLID



*Special Grounding & Bonding Application. See Step 7 (on reverse side). UL Listed only. Not CSA Certified.

**For crimping tools TBMS, TBMS5, TBM6, TBM6H, TBM6S, TBM20S, TBM21E and TBM25S only. (For Grounding & Bonding Application only.)

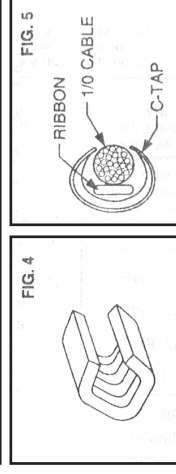
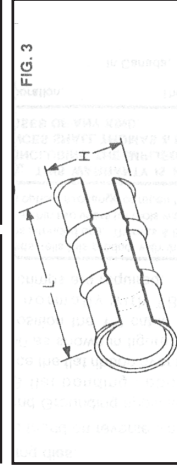
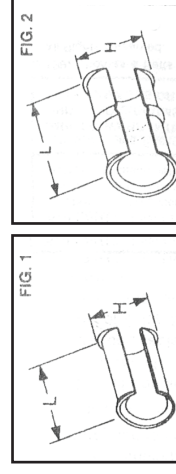
***When using 3AWG on main & #12AWG on branch with SMART® crimping tools & die, #12AWG wire must be doubled (hair-pinned) and placed on branch for crimping.

****For solid cable UL & CSA Listed up to and including #7AWG.

NOTE: Some catalog numbers shown above have suffixes: i.e. XXXXXG (indicating special packaging). All crimp setting for these parts are the same as for the base numbers.

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Installation Choice							Installs Wire Combinations in Circular Mil Area range****	
Shrink Tubing	Adhesive	Catalog No.	Installing Die Color	Fig. No.	L (Approx.)	H (Approx.)	Main Branch	
HS12-6	AC4x3	CF-101	red	4	5/16	5/16	12 14	14 16
		CF-102	blue	1	9/16	7/16	10 8	10 12
		CF-103	grey	1	9/16	5/8	6 8	10, 12 8, 10, 12
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		CF-105	green	2	1-5/32	13/16	3 4 or 5	6, 8, 10, 12 6, 5 ***
CF-106		pink	2	1-5/32	27/32	2 3 4	6, 8, 10, 12 5 3	
CF-107		black	3	1-11/16	7/8	1 2 3	5, 6, 8, 10, 12 4, 5 3, 4	
CF-108		orange	3	1-11/16	31/32	1/0 1 2	4, 5, 6, 8, 10, 12 3, 4 2, 3	
CF-109		purple	3	1-11/16	1-1/16	2/0 1/0 1	3, 4, 5, 6, 8, 10, 12 2, 3 1, 2	
CF-110		yellow	3	1-11/16	1-3/16	3/0 2/0 1/0	2, 3, 4, 5, 6, 8, 10, 12 1, 2 1/0, 1	
*	*	CF-108	orange	3	1-11/16	31/32	1/0	6AWG FLAT BONDING RIBBON .375" x .050" TIN PLATED
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