

INSTALLATION INSTRUCTIONS

Ground grid connector

Blackburn™ Grounding



Important

Read and understand all instructions and safety information in this instruction before operating or servicing this tool. Be aware of proper usage and potential hazards.



WARNING:

- Risk of shock, disconnect power before installation.



CAUTION:

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



Instructions

Note: Install connector on ground rod after rod is driven to final depth.

1. Clean cable of all visible dirt with rough cloth or brush and provide a bright copper finish by wire brushing or similar process.
2. Optional: Use knurling tool 240-31565-94 on smooth ground rod.
3. Insert clean cable into connector. Cable end(s) should protrude at least 3/4" beyond connector.
4. Crimp connector using hydraulic tool 13100A, TBM14M TBM14CR-LI, TBM15CR-LI, TBM15, or TBM15I with die as indicated in chart.

IMPORTANT: For 54865-CKN Only. To be in compliance with IEE E837-2014, the ground rod should be pre-crimped with die 15526 (45H) as shown in Figure 1.



Figure 1

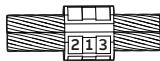


Figure 2 - Requires 3 crimps

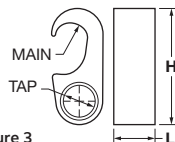


Figure 3

Product selection

Part no:	Application		Cable to rebar application		Dies for T&B® tools (see instr. 4)	L
	Main	Tap	Main	Tap		
54900	250 MCM-500 MCM or 3/4" - 3/4" Rod	350 MCM-500 MCM	#5 Rebar 3/4" thru 3/4" #6 Rebar	350 MCM-500 MCM	15G121R*	1 3/4"
54895	250 MCM-500 MCM or 3/4" - 3/4" Rod	3/0 STR-250 MCM	#5 Rebar 3/4" thru 3/4" #6 Rebar	3/0 STR - 250 MCM	15G126R	3/4"
54890	250 MCM-500 MCM or 5/8" - 3/4" Rod	1/0 STR-2/0 STR	#5 Rebar 3/4" thru 3/4" #6 Rebar	1/0 STR - 2/0 STR	15G126R	3/4"
54885	250 MCM-500 MCM or 3/4" - 3/4" Rod	#4 SOL-#2 STR	—	—	15G126R	3/4"
54875	#6 SOL - #2 STR	#6 SOL-#2 STR	—	—	15501A	3/4"
54865CK	1/0 STR-250 MCM OR 1/2" - 5/8" Rod	3/0 STR-250 MCM	#3 Rebar 3/4" thru 1/2" #4 Rebar	3/0 STR - 250 MCM	15G86R	3/4"
54860	1/0 STR-250 MCM OR 1/2" - 5/8" Rod	1/0 STR-2/0 STR	#3 Rebar 3/4" thru 1/2" #4 Rebar	1/0 STR - 2/0 STR	15G86R	3/4"
54855	1/0 STR-250 MCM OR 1/2" - 5/8" Rod	#4 SOL-#2 STR	#3 Rebar 3/4" thru 1/2" #4 Rebar	#2 STR	15G86R	3/4"
54865-CKN	3/4" Rod (Fig. 1)	3/0 STR-250 MCM	—	—	15506 (Fig. 2)	1 1/2"
54860N	3/4" Rod	1/0 STR-2/0 STR	—	—	15506 (Fig. 2)	1 1/2"
84855N	3/4" Rod	#4 SOL-#2 STR	—	—	15506 (Fig. 2)	1 1/2"
54875N	#6 SOL - #2 STR	#6 SOL-#2 STR	—	—	15517 (Fig. 2)	1 1/2"

Note: Product must be operated in accordance with applicable national and local electrical codes.
*54900 requires 15G121R dies in TBM15 tool.

Product selection - Burndy Tools dimensions and dies

Part no:	H	L	Dies for Y750/Y35/Y39	Dies for Y45	Dies for Y46	No. of crimps
54900	2 3/8"	1 1/8"	U1011	S1011	P1011	3
54895	2 3/8"	3/4"	PU998	PU998 OR S998	PU998 OR S998	1
54890	2 3/8"	3/4"	PU998	PU998 OR S998	PU998 OR S998	1
54885	2 3/8"	3/4"	PU998	PU998 OR S998	PU998 OR S998	1
54875	1 1/2"	3/4"	UO	UO	UO	1
54865CK	2 3/8"	3/4"	997	U997	U997	1
54860	2 3/8"	3/4"	997	U997	U997	1
54875N	2 3/8"	3/4"	997	U997	U997	1