Thomas & Betts takes the splicing of different-sized conductors to a new level of economy and efficiency with Cast-Copper Reducing Splices. In addition to a lower cost, the key benefit to these splices is in their constant outer diameter. Unlike screw-machined, externally contoured splices, Cast-Copper Reducing Splices require no change of tool or die between crimping each end. Just slide each wire easily into the chamfered barrel, and use the same Color-Keyed tool and die to crimp both ends. The consistent O.D. also makes these splices faster and easier to insulate with clear heat-shrink wrap than a contoured splice. Sand-cast construction ensures high tensile strength for heavy-duty applications, and tin-plated copper material provides high conductivity and superior corrosion resistance.

- Ideal for telecom (inside office/outside plant), commercial, industrial MRO and any other 600V–35kV applications requiring splicing of different-sized conductors
- Tin-plated, sand-cast copper construction provides superior tensile strength, high conductivity, and excellent corrosion resistance
- Easier to install and insulate than screw-machined, contour-designed reducing splices
- Constant O.D. saves time on installation by eliminating the need for crimp tool/die change
- Fast and simple to insulate with clear or colored heat-shrink wrap
- Chamfered barrel facilitates easy wire insertion
- Compact, low-profile design takes up minimal space in cable tray or wire run
- Simple installation with Blackburn® compression tools (see **pp. F-80–F-100**) and dies (see **pp. F-101–F-104**)

						WHITE
251-30485-739	1/0 Str.	250 kcmil Str.	2⅜"	15/16"	76	
251-30485-882	400 kcmil Str.	350 kcmil Str.	3⅝16"	17/32"	99	PINK
251-30485-950	1/0 Str.	#6 Str.	1⅜16"	19/32"	45	
251-30485-951	#6 Str.	2/0 Str.	2¼"	27/32"	66	WHITE
251-30485-1027	1/0 Str.	#4 Str.	1⅜16"	19/32"	45	
251-30485-1029	1/0 Str.	#12 Str.	1⅜16"	37/64"	45	
251-30485-1030	10 Str.	#4 Str.	1½32"	⅜"	29	
251-30485-1031	12 Str.	#4 Str.	1½32"	⅜"	29	
251-30485-1032	#6 Str.	#10 Str.	1⅞32"	⅜"	29	
251-30485-1033	#12 Str.	#6 Str.	1⅞32"	⅜"	29	
251-30485-1034	#14 Str.	#8 Str.	1½32"	⅜"	29	
251-30485-1035	#1 Str.	1/0 Str.	1⅜16"	19/32"	45	
251-30485-1044	#10 Str.	#8 Str.	1⅞32"	⅜"	29	GRAY
251-30485-1045	#12 Str.	#8 Str.	1½32"	⅜"	29	
251-30485-1085	#10 Str.	1/0 Str.	1⅜16"	19/32"	45	
251-30485-1086	#10 Str.	2/0 Str.	2¼"	27/32"	66	WHITE
251-30485-1087	#4 Str.	250 kcmil Str.	2⅜"	15/16"	76	
251-30485-1088	400 kcmil Str.	250 kcmil S	3⅝16"	17/32"	99	PINK
251-30485-1089	#14 Str.	#8 Sol.	1½32"	⅜"	29	
251-30485-1090	#12 Str.	#8 Sol.	1⅞32"	⅜"	29	
251-30485-1091	#10 Str.	#8 Sol.	1½32"	⅜"	29	GRAY
251-30485-1092	#12 Str.	#6 Sol.	1½32"	⅜"	29	
251-30485-1093	#8 Str.	#6 Sol.	1⅞32"	⅜"	29	
251-30485-1094	#4 Str.	#6 Sol.	1⅞32"	⅜"	29	
251-30485-1095	#2 Str.	#6 Sol.	1⅜16"	19/32"	45	
251-30485-1096	#12 Str.	#4 Sol.	1½32"	⅜"	29	
251-30485-1097	#10 Str.	#4 Sol.	1⅞32"	⅜"	29	GRAY
251-30485-1098	#8 Str.	#4 Sol.	1½32"	⅜"	29	
251-30485-1099	#6 Str.	#4 Sol.	1½32"	⅜"	29	
251-30485-1100	1/0 Str.	#4 Sol.	1⅜16"	19/32"	45	
251-30485-1130	Cast Solid*	#12–#4 Str.	1⅜32"	⅜"	29 1	
251-30485-1245	1/0 Flex	#4 Flex	2¼"	13/16"	66	WHITE
251-30485-1246	#4 Flex	#8 Flex	1⅜16"	3/64"	45	

Cast Solid — Field Modifiable Special

C-Tap Connectors for Copper Conductor

Positive, all-around compression with low resistance and high pull-out values.

C-Taps for 600V Applications

Ideal for pigtailing, two-way splicing or tapping to an unbroken continuous main

Heavy reinforcing ribs help locate compression dies and strengthen compressed joint

Material: High-Conductivity Wrought Copper

Finish: Plain

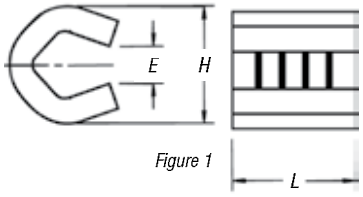


Figure 1

"E" represents gap in side

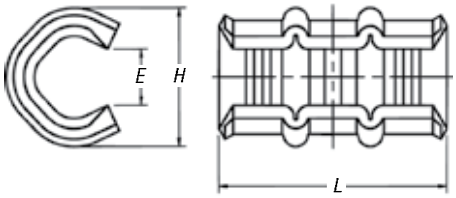


Figure 2

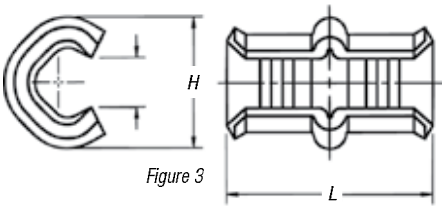


Figure 3

CAT. NO.	FIG. NO.	DIMENSIONS (IN.) L	H	E	COLOR KEY
54705	1	5/16	5/16	7/64	RED
54710	1	9/16	7/16	9/64	U
54715	1	9/16	5/8	11/64	GRAY
54720	2	1 5/32	11/16	7/32	BROWN
54725	2	1 5/32	13/16	1/4	GREE
54730	2	1 5/32	21/32	9/32	PINK
54735	3	1 11/16	7/8	21/64	ACK
54740	3	1 11/16	31/32	23/64	ORANGE
54745	3	1 11/16	1 1/16	13/32	P PLE
54750	3	1 11/16	1 3/16	15/32	YELLOW

UL® approved for direct burial.

For covers, see ***page F-48****.*

Taps can be supplied tin-plated. Add suffix "TP" to any catalog number (i.e., 54725TP).

Typical Cable Combinations

MAIN	BRANCH #12 SOL. OR STR.	#10 SOL. OR STR.	#8 SOL. OR STR.	#6 SOL. OR STR.	#4 STR.	#2 STR.	#1 STR.	1/0 STR.
#10 Sol. or Str.	54705	54710	54715	54715	54720	54730	54735	54740
#8 Sol. or Str.	54710	54715	54715	54720	54720	54730	54735	54740
#6 Sol. or Str.	54715	54715	54720	54720	54725	54730	54735	54740
#4 Str.	54720	54720	54720	54725	54730	54735	54740	54740
#2 Str.	54730	54730	54730	54730	54735	54740	54745	54745
#1 Str.	54735	54735	54735	54735	54740	54745	54745	54750
1/0 Str.	54740	54740	54740	54740	5i740	54745	54750	54750
2/0 Str.	54745	54745	54745	54745	54745	54750	54750	
3/0 Str.	54750	54750	54750	54750	54750	54750		

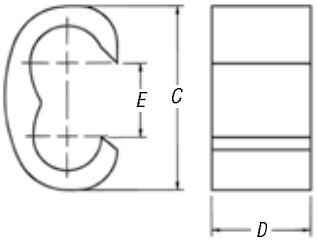
Tooling: ***pp. F-80–F-100***

Die Selector Chart: ***p. F-101–F-104***

C-Tap Connectors for Copper Conductor

Easy to work with in tight spaces.

C-Taps — Large Size for 600V Applications



More economical than other taps and split bolts in terms of purchase, inventory, installation time, insulation and maintenance

Color-coded for easy matching with proper die

Barely larger than conductor insulation once installed

Material: High-Conductivity Wrought Copper

Finish: Plain

CAT. NO.	WIRE SIZE MAIN	WIRE SIZE BRANCH	DIMENSIONS (IN.) C	D	E	INSTALLING DIE TOOL	INSTALLING DIE CAT. NO.	DIE CODE	NO. OF CRIMPS	COLOR KEY
54755	#1 AWG	#1 AWG	1 15/16	3/4	1/32	TBM14M	15512	76	1	LUE
	1/0 AWG	1/0–#2 AWG				TBM15I	15512*	76		
	2/0 AWG	2/0–#4 AWG				TBM12	TBM12D-4	76		
	3/0 AWG	1/0–#6 AWG				13100A	15512	76		
	4/0 AWG	#1–#8 AWG								
54760	2/0 AWG	2/0–#1 AWG	1 1/16	3/4	19/32	TBM14M	15506	87H	2	RO
	3/0 AWG	3/0–#3 AWG				TBM15I	15506*	87H		
	4/0 AWG	4/0–#4 AWG				TBM12	TBM12D-3	87H		
	250 kcmil	#1–#8 AWG				13100A	15506	87H		
54765	2/0 AWG	2/0–#1 AWG	1 11/16	1	41/64	TBM14M	15505	99H	2	PINK
	3/0 AWG	3/0–#2 AWG				TBM15I	15505*	99H		
	4/0 AWG	4/0–#4 AWG				TBM12	TBM12D-2	99H		
	250 kcmil	3/0–#6 AWG				13100A	15505	99H		
	300 kcmil	2/0–#8 AWG								
54770	4/0 AWG	4/0–2/0 AWG	1 11/16	1	11/16	TBM14M	15515	106H	2	ACK
	250 kcmil	250 kcmil–#1 AWG				TBM15I	15515*	106H		
	300 kcmil	4/0–#4 AWG				TBM12	TBM12D-2	106H		
	350 kcmil	3/0–#6 AWG				13100A	15515	106H		
54775**	250 kcmil	250 kcmil	1 7/8	1 1/4	13/16	TBM14M	15504	115H	2	YELLOW
	300 kcmil	300 kcmil–3/0 AWG				TBM15I	15504*	115H		
	350 kcmil	350 kcmil–1/0 AWG				TBM12	TBM12D-1	115H		
	400 kcmil	300 kcmil–#2 AWG				13100A	15504	115H		
	450 kcmil	250 kcmil–#4 AWG								
	500 kcmil	250 kcmil–#6 AWG								
54780	350 kcmil	350 kcmil–4/0 AWG	2 3/16	1 1/4	53/64	TBM15I	15603	125H	2	N/A
	400 kcmil	400 kcmil–2/0 AWG								
	450 kcmil	450 kcmil–#1 AWG								
	500 kcmil	500 kcmil–#2 AWG								
54785	750 kcmil	4/0–#6 AWG	2 1/8	2	1	TBM15I	15603	125H	3	
54790	750 kcmil	750 kcmil–4/0 AWG	2 11/16	2	1 1/16	TBM15I	15603	125H	3	

UL approved for direct burial.

For covers, see ***p. F-48***

Taps can be supplied tin-plated. Add suffix "TP" to any catalog number (i.e., 54725TP).

** Cat. No. 15500-TB adapter required if using TBM15I and 155XX series dies.*

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

Tooling: ***pp. F-80–F-100***

Die Selector Chart: ***p. F-101–F-104***