

How to make a good aluminum* connection

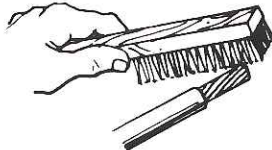
Mac connectors and lugs are marked to indicate die spacing. Where more than one compression is required, allow $\frac{1}{8}$ " spacing between compressions.



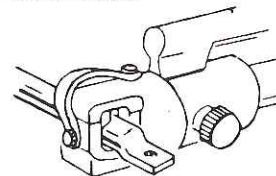
- 1** Select lug or connector marked for the wire size to be used.



- 3** Remove oxide film with wire brush from the stripped portion of the conductor.



- 5** Compress from base of socket toward cable.



- 2** Do not nick or ring conductor strands when stripping the wire insulation.



- 4** Insert the conductor all the way into the barrel and, using the proper die code or index (see chart), compress the connector.



- 6** Remove excess Mactex Inhibitor.



*Mac Aluminum lugs and connectors are listed for both aluminum and copper cable. However, if all the cables to a lug or connector are copper, it is recommended that a Mac Copper lug or connector be used.

THOMAS & BETTS INSTALLING DIES FOR MAC ALUMINUM CONNECTORS

MECHANICAL TOOLS

HYDRAULIC TOOLS*

Cable Size	Color Key	MLA MLB TOP MLC Crimps	MULA MULC Crimps	TBM6		TBM8 Die Cat. No.	MLA MLB TOP MLC Crimps	MULA MULC Crimps	13642 12 Ton Hydraulic		TBM15		21920 20 Ton		21940 40 Ton	
				Cat. No. Upper Die	Cat. No. Lower Die				Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.	Die Cat. No.	Die Code No.
6	Gray	2	3	13472	13476	13461	—	—	—	—	—	—	—	—	—	—
4	Green	2	3	13474	13477	13462	—	—	—	—	—	—	—	—	—	—
2	Pink	2	3	13475	13477	13462	3	4	11737	42	15508	42H	11152	42	11334	42
1	Gold	2	3	13474	13477	13464	2	3	11738	45	15526	45	11165	45	11405	45
1/0	Tan	2	3	13474	13477	13464	2	3	11739	50	15530	50	—	—	11406	50
2/0	Olive	3	3	13475	13477	13464	3	4	11740	54	15511	54H	11167	54	11407	54
3/0	Ruby	3	4	13473	13476	13464	2	3	11741	60	15532	60	11168	60	11408	60
4/0	White	3	4	13473	13476	13465	2	3	11742	66H	15534	66	11169	66	11409	66
250	Red	4	5	13472	13476	13466	3	5	11743	71H	15514	71H	—	—	11363	71
300	Blue	4	5	13472	13476	13467	2	3	11744	76H	15512	76	11170	76	11410	76
350	Brown	4	5	—	—	13468	3	5	11746	87H	15506	87H	11176	87	11423	87
400	—	—	—	—	—	—	3	5	11747	94H	15611	94H	—	—	11364	94
500	—	—	—	—	—	—	4	5	11748	99H	15505	99H	11173	99	11424	99
600	—	—	—	—	—	—	4	5	11751	112H	15609	112H	11175	112	11426	112
700	—	—	—	—	—	—	4	6	11751	112H	15609	112H	11175	112	11426	112
750	—	—	—	—	—	—	4	6	11753	115H	15504	115H	11157	115H	11308	115
800	—	—	—	—	—	—	4	6	—	—	15603	125H	11158	125H	11416	125
1000	—	—	—	—	—	—	4	6	—	—	15602	140H	11159	140H	11418	140

*In some cases where wider dies are substituted for "H" suffix dies, it may be necessary to reduce the number of compressions.

BURNDY—INSTALLING DIES FOR MAC ALUMINUM CONNECTORS

Cable Size	Die Index	Die Color	MLA, MLB MIBTOP MLC Crimps	MULA MULC Crimps	Y34A	Y35	Y39	Y46*	Y48B	Y486BR	Y60B
6	346	Gray	1	2	A6CAB	U6CABT	U6CABT	U6CABT	—	—	—
4	375	Green	1	2	A4CAB	U4CABT	U4CABT	U4CABT	—	—	—
2	348	Pink	1	2	A2CAB	U2CABT	U2CABT	U2CABT	—	—	—
1	471	Gold	1	2	A1CAR	U1CART	U1CART	U1CART	—	—	—
1/0	296	Tan	1	2	A25AR	U25ART	U25ART	U25ART	C25AR	—	—
2/0	297	Olive	1	2	A26AR	U26ART	U26ART	U26ART	C26AR	—	—
3/0	467	Ruby	1	2	A27AR	U27ART	U27ART	U27ART	C27AR	—	—
4/0	298	White	1	2	A28AR	U28ART	U28ART	U28ART	C28AR	F28AR	—
250	324	Red	1	2	A29AR	U29ART	U29ART	U29ART	C29AR	F29AR	L29ART
300	470	Blue	1	2	A30AR	U30ART	U30ART	U30ART	C30AR	F30AR	L30ART
350	299	Brown	1	3	—	U31ART	U31ART	U31ART	C31AR	F31AR	—
400	472	Green	1	3	—	U32ART	U32ART	U32ART	C32AR	F32AR	L32ART
500	300	Pink	1	3	—	U34ART	U34ART	U34ART	C34AR	F34AR	—
600	473	Black	1	3	—	U36ART	U36ART	U36ART	C36AR	F36AR	L36ART
700/750	936	Yellow (1.5")	2	3	—	—	U39ART-2	U39ART-2	C39ART-2	F39ART-2	L39ART-2
	301	Red (1.59")	2	3	—	—	—	—	C39AR	F39AR	L39ART
800	474	Gray	2	3	—	—	—	—	P40ART	F40AR	L40ART
1000	302	Brcwn	2	4	—	—	—	—	P44ART	C44AR	F44AR
1500	478	Blue	3	5	—	—	—	—	—	—	—
1750	587	White	3	5	—	—	—	—	—	—	—
2000	479	Red	3	6	—	—	—	—	—	—	—

*U Dies with a Y46 require a P-UADP adaptor.



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