



Crimping Information for Copper Compression Connectors

Compact, Concentric Connectors Class B, C, Flex Class G, H, I, K, M & DLO Copper Wire Only

OEC USA INC.

Tooling Selection Chart With Die-less Crimping Tools (Range Taking)

Lug Size	Approved Cu Wire Classes										Range Taking (Applicable Wire Range)	Color	Greenlee & NSI Die-less - HK121D, EK121DL, N121D	NSI Dieless - M-500 & M-250	Burdny Die-less - PAT444S & PAT4PC- 834LI.	Ilscro Die-less - IDT-6, IDT-6H, IDTB-6, IDTB- 6-LQ, TB-6DF1000-P, IDT-12-N, IVTB-6	DeWalt Model DCE350
	B		C		G	H	I	K	M	DLO							
	AWG	STR	AWG	STR	AWG												
8	8		8		8	8	8	8	8	8	8-10	Red					
6	6	7	6	19	6	6	6	6		6	6 - 8	Blue					
4	4	7	4	19							4 - 6	Gray					
3	3	7	3	19	4	4	4	4	4	4	3 - 6	White					
2	2	7	2	19	4	4	4	4	4	4	2 - 6	Brown					
1	1	19	1	37	2	2	2	2	2	2	1 - 6	Green					
1/0	1/0	19	1/0	37	1	1	1	1	1	1	1/0 - 6	Pink					
2/0	2/0	19	2/0	37	1/0	1/0	1/0	1/0	1/0	1/0	2/0 - 4	Black					
3/0	3/0	19	3/0	37	2/0	2/0	2/0	2/0	2/0	2/0	3/0 - 2	Orange					
4/0	4/0	19	4/0	37	3/0	3/0	3/0	3/0	3/0	3/0	4/0 - 1	Purple					
250	250	37	250	61	4/0	4/0	4/0	4/0	4/0	4/0	250 - 1/0	Yellow					
300	300	37	300	61	250	250					300 - 2/0	White					
350	350	37	350	61	250	250	250	250	250	262	350 - 3/0	Red					
400	400	37	400	61	300	300	300	300	300	313	400 - 4/0	Blue					
500	500	37	500	61	350	350	350	350	350	373	500 - 250	Brown					
600	600	61	600	91	400	400	400	400	400	444	600 - 250	Green					
700	700	61	700	91	500	500	500	500	500	535	700 - 250	Pink					
750	750	61	750	91	600	600	600		600	646	750 - 500	Black					
1000	1000	61	1000	91	750	750	750			777	1000 - 750	White					



1. Select the proper lug or splice connector for the size of cable being installed, ensuring that the size matches the description in the table.
2. Strip the insulation from the cable to a length so that the stripped area of the cable can be completely inserted into and fill the barrel of the lug or splice. Carefully strip the insulation from the cable without nicking the strands.
3. Wire brush the stripped portion of the cable to remove oxide films.
4. The stripped portion of the cable must be clean and inserted completely into the connector barrel.
5. Using the tool and die combination specified for that connector in the table below, install crimps, leaving a space of 1/8 inch minimum between successive crimps.
For Short Barrel Connectors, apply 1 crimp.
For Long Barrel Connectors, apply 2 crimps on the color coded bands



Tooling Selection Chart With Die Set Crimping Tools

Lug Size	Class B,C Cu. Cable		Class G,H,I,K Cu. Flex Cable		Class M Cu. Flex Cable		DLO Locomotive	Color	Burdny Model - Y35, Y39, Y750, PAT750, PAT750LI	Burdny Die Index	Ilscro ILC-12-N, ILC-12-H-N, ILCB-12			Ilscro Tool ILC-12, ILC-12H, ILC-15 Die Index	T&B Die Index for Tool TBM-15 & TBM14M	Huskie Model - EP-510C Die Index	Greenlee HK1240 & EK1240LI	Hilti - NUN-54-22
	AWG	AWG	AWG		AWG						ILD - 2	ILD - 21	ILD - 2					
8	8	8	8		8		8	Red	U8CRT	49	ILD - 2	ILD - 21	ILD - 2		21	NA	KC12 - 8	NCR SU CU 8
6	6	6	6		6		6	Blue	U5CRT OR U8CABT	7 OR 374	ILD - 3	ILD - 24	ILD - 3		24	HT41AT / HT41GL	KC12 - 6	NCR SU CU 6
4	4	4	4					Gray	U4CRT OR U6CABT	8 OR 346	ILD - 4	ILD - 29	ILD - 4		29	HT41AU / HT41GE	KC12 - 4	NCR SU CU 4
3	3	3	3		4		4	White	U2CRT	10		ILD - 29			33	HT41AW		NCR SU CU 2
2	2	2	2		4		4	Brown	U2CRT	10	ILD - 7	ILD - 33	ILD - 7		33	HT41AW	KC12 - 2	NCR SU CU 2
1	1	1	1		2		2	Green	U1CRT OR U4CABT	11 OR 375	ILD - 7	ILD - 37	ILD - 7		37	HT41AX	KC12 - 1	NCR SU CU 1
1/0	1/0	1/0	1/0		1		1	Pink	U25RT OR U2CART	12 OR 348	ILD - 8	ILD - 42	ILD - 8		42H	HT41AY	KC12 - 1/0	NCR SU CU 1/0
2/0	2/0	2/0	1/0		1/0		1/0	Black	U26RT	13	ILD - 10	ILD - 45	ILD - 10		45	HT41AZ	KC12 - 2/0	NCR SU CU 2/0
3/0	3/0	3/0	2/0		2/0		2/0	Orange	U27RT	14	ILD - 10	ILD - 50	ILD - 10		50	HT41BA	KC12 - 3/0	NCR SU CU 3/0
4/0	4/0	4/0	3/0		3/0		3/0	Purple	U28RT	15	ILD - 12	ILD - 54	ILD - 12		54H	HT41BC	KC12 - 4/0	NCR SU CU 4/0
250	250	250	4/0		4/0		4/0	Yellow	U29RT	16	ILD - 13	ILD - 62	ILD - 13		62	HT41BE	KC12 - 250	NCR SU CU 250
300	300	300	250					White	U30RT OR U28ART	17 OR 298	ILD - 14	ILD - 66	ILD - 14		66	HT41BF	KC12 - 300	NCR SU CU 300
350	350	350	250		250		262	Red	U31RT OR U29ART	18 OR 324	ILD - 14	ILD - 71	ILD - 14		71H	HT41BJ	KC12 - 350	NCR SU CU 350
400	400	400	300		300		313	Blue	U32RT OR U30ART	19 OR 470	ILD - 16	ILD - 76	ILD - 16		76	HT41BK	KC12 - 400	NCR SU CU 400
500	500	500	350		350		373	Brown	U34RT OR U32ART	20 OR 299	ILD - 16A	ILD - 87	ILD - 16A		87H	HT41BL	KC12 - 500	NCR SU CU 500
600	600	600	400		400		444	Green	U36RT OR U32ART	22 OR 472	ILD - 17	ILD - 94	ILD - 17		94H	HT41HH / HT41BM	KC12 - 600	NCR SU CU 600
750	750	750	600		500		646	Black	U39RT	24	ILD - 18	ILD - 106	ILD - 18		106H	HT41BP	KC12 - 750	
1000	1000	1000	750				777	White			ILD - 18	ILD - 125						

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