

# POLARIS®

## INSTALLATION INSTRUCTIONS FOR — COPPER — COMPRESSION

### Copper Conductor Only Series:

### L, LN, SL-N, L-B, L-NB, GL, GL-N, GL-B, GL-NB, C, SC, SC-B

Select proper lug or splice connector for the size of cable being installed, make sure that the size matches the description in the table below.

1. Strip the insulation from the conductor to a length so that the stripped area of the conductor can be completely inserted into and fill up the barrel of the lug or splice. UL Listed Strip length is identified on the back
2. Carefully strip the insulation from the conductor without nicking the strands.
3. Wire brush the stripped portion of the conductor to remove any oxide films.
4. The stripped portion of the conductor must be clean and inserted completely into the connector barrel.
5. Additional crimps may be made, based on space available.

### NOTES:

For Use with Concentric, Compressed or Compact copper conductors

NSI's N12ID (Dieless) Crimp tool offers range taking capability.

UL listed expanded wire ranges are listed on the back and are listed only with NSI N12ID or Greenlee HK12ID dieless compression tools.

NSI N1240 tool can be used with all Greenlee and IlSCO dies listed.

Barrel markings represent the manufacturer's suggested crimp locations when using N1240 and Greenlee dies.

The following mechanical crimp tools can also be used with NSI Compression Connectors:

- NSI M-250 for 250 MCM Class B & C Copper Cable
- NSI M-500 for 500MCM Class B & C Copper Cable.

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

 **WARNING:** Cancer and reproductive harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



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Installation  
Instructions



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Certified UL Approved Tools & Dies (#) Indicates Minimum Number of Crimps

Lug Size for Code Wire	STRIP LENGTHS (IN)					NSI				GREENLEE/ILSCO		BURNDY	T&B	HUSKIE	
	Color	Long Barrel <sup>1</sup> SERIES: L, LN, L-B, L-NB, SL-N, (2 X) the Crimps	Long Barrel <sup>1</sup> Splice SERIES: C 2X the crimps	Short Barrel SERIES: GL, GL-N, GL-B, GL-NB	Short Barrel Splice SERIES: SC, SC-B	Expanded Wire Range using NSI Dieless N12ID or Greenlee HK12ID	N1240 SERIES	NSI-12	NSI-12	EK, RK, HK1240, ILC-12, ILC-15 Series	Y-35, Y750, PAT 750	TBM-15 TBM-14M	EP510C		
8 AWG	RED	7/8	15/16	9/16	1/2	8 AWG (1)	KC12-8 (1)	-	-	KC12-8 (1)	ILD-1 (2)	U8CRT (1)	15520 (2)	-	-
6 AWG	BLUE	1 1/16	15/16	13/16	9/16	6-8 AWG (1)	KC12-6 (1)	CD2 (2)	HT41GL (2)	KC12-6 (1)	ILD-2 (2)	U5CRT (1)	15522 (2)	HT41GL (2)	CD2 (2)
4 AWG	GREY	1 3/16	15/16	13/16	9/16	4-6 AWG (1)	KC12-4 (1)	CD3 (2)	HT41AU (2)	KC12-4 (1)	ILD-3 (2)	U4CRT (1)	15527-CK (2)	HT41AU (2)	CD3 (2)
3 AWG	WHITE	1 3/16	1	15/16	11/16	3-6 AWG (1)	KC12-3 (1)	-	HT41AV (2)	KC12-3 (1)	ILD-3 (2)	U3CRT (1)	-	HT41AV (2)	-
2 AWG	BROWN	1 3/16	1	15/16	11/16	2-6 AWG (1)	KC12-2 (1)	CD4 (2)	HT41AW (2)	KC12-2 (1)	ILD-4 (2)	U2CRT (1)	15528 (2)	HT41AW (2)	CD4 (2)
1 AWG	GREEN	1 3/16	1 3/16	15/16	1	1-6 AWG (1)	KC12-1 (1)	CD5 (2)	HT41AX (2)	KC12-1 (1)	ILD-4 (2)	U1CRT-1 (1)	15513-CK (2)	HT41AX (2)	CD5 (2)
1/0 AWG	PINK	1 1/4	1 3/16	15/16	7/8	1/0-6 AWG (1)	KC12-1/0 (1)	CD6 (2)	HT41AY (2)	KC12-1/0 (1)	ILD-5 (2)	U25RT (1)	15508 (2)	HT41AY (2)	CD6 (2)
2/0 AWG	BLACK	1 7/16	1 3/16	1	15/16	2/0-4 AWG (1)	KC12-2/0 (1)	CD7 (2)	HT41AZ (2)	KC12-2/0 (1)	ILD-6 (2)	U26RT (1)	15526 (2)	HT41AZ (2)	CD7 (2)
3/0 AWG	ORANGE	1 7/16	1 3/16	1 1/16	7/16	3/0-2 AWG (1)	KC12-3/0 (1)	CD10 (2)	HT41BA (2)	KC12-3/0 (1)	ILD-9 (2)	U27RT (1)	15530 (2)	HT41BA (2)	CD10 (2)
4/0 AWG	PURPLE	1 1/2	1 7/16	1 1/16	1	4/0-1 AWG (1)	KC12-4/0 (1)	CD12 (2)	HT41BC (2)	KC12-4/0 (1)	ILD-10 (2)	U28RT (2)	15511 (2)	HT41BC (2)	CD12 (2)
250 MCM	YELLOW	1 3/4	1 13/16	1 3/16	1 3/16	250 MCM-1/0 AWG (1)	KC12-250 (1)	CD14 (2)	HT41BE (2)	KC12-250 (1)	ILD-11 (2)	U29RT (2)	15510-CK (2)	HT41BE (2)	CD14 (2)
300 MCM	WHITE	2 1/8	1 15/16	1 3/16	1 3/16	300 MCM-2/0 AWG (1)	KC12-300 (1)	CD15 (2)	HT41BF (2)	KC12-300 (1)	ILD-12 (2)	U30RT (2)	15534 (2)	HT41BF (2)	CD15 (2)
350 MCM	RED	2 1/8	2 1/16	1 1/4	1 3/16	350 MCM-3/0 AWG (1)	KC12-350 (1)	CD16A (2)	HT41BJ (2)	KC12-350 (1)	ILD-13 (2)	U31RT (2)	15514-CK (2)	HT41BJ (2)	CD16A (2)
400 MCM	BLUE	2 1/8	2 1/16	1 5/16	1 5/16	400 MCM-4/0 AWG (1)	KC12-400 (1)	CD17 (2)	HT41BK (2)	KC12-400 (1)	ILD-14 (2)	U32RT (2)	15512 (2)	HT41BK (2)	CD17 (2)
500 MCM	BROWN	2 3/8	2 5/16	1 9/16	1 7/16	500-250 MCM (1)	KC12-500 (1)	CD18 (2)	HT41BL (2)	KC12-500 (1)	ILD-15 (2)	U34RT (2)	15506 (2)	HT41BL (2)	CD18 (2)
600 MCM	GREEN	2 3/8	2 7/16	1 11/16	1 7/16	600-250 MCM (1)	KC12-600 (1)	CD19 (2)	HT41BM (2)	KC12-600 (1)	ILD-16 (2)	U36RT (2)	15536-CK (2)	HT41BM (2)	CD19 (2)
700 MCM	PINK	2 13/16	-	2	1 9/16	700-350 MCM (1)	KC12-700 (1)	CD20 (2)	HT41BM (2)	KC12-700 (1)	ILD-16A (2)	U38RT (2)	15505 (2)	HT41BM (2)	CD20 (2)
750 MCM	BLACK	2 13/16	2 9/16	2	1 3/4	750-500 MCM (1)	KC12-750 (1)	CD21 (2)	HT41BP (2)	KC12-750 (1)	ILD-17 (2)	U39RT (2)	15515-CK (2)	HT41BP (2)	CD21 (2)
1000 MCM	WHITE	3 5/16	3 3/16	2 1/16	2	1000-750 MCM (1)	-	-	-	-	-	-	-	-	-

<sup>1</sup>Long barrel lugs & splices require twice as many crimps as in parenthesis ( )

