

## INFORMATION SHEET

### COPPER SPLIT BOLT CONNECTORS



CATALOG NUMBER	COPPER CONDUCTOR			WIRE DIAMETER RANGE (INCH)	TORQUE (IN-LB)	Grounding & Bonding and Direct Burial	REBAR w/#6 or #8 AWG Copper Wire (UL ONLY)
	RANGE OF EQUAL MAIN AND TAP		MIN TAP WITH ONE MAX MAIN				
	MIN	MAX					
IK-10	16 STR	10 STR	16 STR	.057-.116	80		
IK-8	16 STR	8 STR	16 STR	.057-.145	80	UL, CSA	
IK-6	10 SOL	6 SOL	16 SOL	.102-.162	165	UL, CSA	
IK-4	8 SOL	4 SOL	16 SOL	.128-.204	165	UL, CSA	
IK-3	6 SOL	2 SOL	12 SOL	.162-258	275	UL, CSA	
IK-2	6 SOL	2 STR	14 STR	.162-.292	275	UL, CSA	
IK-1/0	4 SOL	1/0 STR	14 SOL	.204-.375	385	UL, CSA	
IK-2/0	2 SOL	2/0 STR	14 STR	.258-.418	385	UL, CSA	#3 (3/8)
IK-3/0	2 SOL	3/0 STR	12 SOL	.258-.470	500	UL, CSA	
IK-250	1/0 SOL	250 kcmil	10 SOL	.325-.575	650	UL, CSA	#4 (1/2)
IK-350	4/0 STR	350 kcmil	8 SOL	.528-.682	650	UL	#5 (5/8)
IK-500	250 kcmil	500 kcmil	8 SOL	.575-.815	825	UL	#6 (3/4)
IK-750	350 kcmil	750 kcmil	8 SOL	.682-.999	1000		
IK -1000	500 kcmil	1000 kcmil	8 SOL	.815-1.153	1100		
SK-10 *	16 STR	10 STR	16 STR	.057-.116	80		
SK-8 *	16 STR	8 STR	16 STR	.057-.145	80		
SK-6 (1) *	14 STR	8 STR	14 STR	.073-.146	165		
SK-4 (1) *	10 STR	6 STR	10 SOL	.116-.184	165		
SK-3(1)(2)*	8 SOL AL	4 STR AL	8 SOL AL	.128-.232	275		
SK-3(1)(2)*	8 SOL CU	2 SOL CU	8 SOL CU	.128-.258	275		
SK-2 (1) *	8 SOL	2 STR	8 SOL	.128-.316	275		
SK-1/0 *	6 SOL	1/0 STR	10 SOL	.162-.375	385		
SK-2/0 *	6 STR	2/0 STR	10 SOL	.184-.419	385		
SK-3/0 *	4 STR	3/0 STR	6 SOL	.198-.470	500		
SK-250 *	4 STR	250 kcmil	4 STR	.232-.575	650		
SK-350 *	3/0 STR	350 kcmil	1 SOL	.447-.682	650		
SK-500 *	3/0 STR	500 kcmil	1/0 STR	.447-815	825		
SK-750 *	250 kcmil	750 kcmil	2/0 STR	.563-.999	1000		
SK-1000 *	350 kcmil	1000 kcmil	4/0 STR	.682-1.152	1100		

\*See Special Note on Reverse Side

(1) May also be used with Aluminum Wire

(See Reverse Side for Details)

(2) SK-3 AL and CU wire ranges are different

**FORM 165**  
**Revised 2-5-2014**  
(Replaces Forms 62, 63 & 64)

**WARNING:** Failure to follow the installation instructions below can result in severe connector overheating and related hazards.

#### INSTALLATION INSTRUCTIONS FOR SPLIT BOLT CONNECTORS

ALL IK & SK-10, -8, -1/0 through -1000	SK-6, -4, -3, -2 Only
COPPER to COPPER	COPPER to COPPER
COPPERWELD to COPPERWELD	COPPER to ALUMINUM
COPPER to COPPERWELD	ALUMINUM to ALUMINUM

- 1) Select proper connector from chart on reverse side
- 2) On insulated wires, strip enough insulation for proper clamping contact avoiding overlap of insulation and nicking of wire strands. Use an appropriate insulation stripping tool or use pencil shaving method.



**WARNING:** Nicking of wire strands will cause a reduction in current carrying capacity of the wire

**WARNING:** Wire must be stripped immediately prior to installation on insulated 90 Deg. C maximum rated wire in NEC applications.

- 3) Clean conductor surface using wire brush or abrasive cloth.
- 4) Coat stripped ends of wires with an anti-oxidant using wire brush to force anti-oxidant into wire strands.
- 5) \***SPLICE CONNECTIONS:** Insert wires through opposite sides of connector to sufficient depth to allow full clamp contact. Tighten nut by hand, then torque to proper value shown in chart on reverse side.
- 6) \***TAP CONNECTIONS:** Remove nut/pressure bar and spacer (SK models only), position connector over main wire and re-install spacer (SK models only) and nut/pressure bar. Insert tap wire to sufficient depth to allow full clamp contact. Tighten nut by hand, then torque to proper value shown in chart on reverse side.

\* Special Note: On SK models only, the additional spacer must always be positioned and clamped between the two wires. The radius side of spacer must face in the direction of the nut/pressure bar.

**WARNING:** Failure to achieve proper torque will cause connector and wire overheating

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(Replaces Forms 62, 63 & 64)