

Polaris Sales Co., Inc.
 11625 Prosperous Drive
 Odessa, FL 33556

Assembly of Connectors

Wire insulation must be stripped in accordance with the Standard Connector Strip Length Chart below. The wire insulation on a properly installed connector must be inside the insulated conductor port no less than 3/8 inch. Stranded conductors #8 and smaller should be twisted before inserted into conductor. It is recommended to wire brush all conductors before inserting into connector, however it is required if conductor is aged or showing signs of oxidation. Polaris Connectors are pre-filled with oxide inhibitor, applying additional oxide inhibitor directly onto conductor before inserting into connector will help protect conductor from future oxidation and result in a better connection.

Pressure screws **MUST** be secured at the torque value given on the Torque Chart corresponding to the wire size and connector size shown on the reverse side of this page. The UL listing is for stranded wire only, AL9-CU 600 Volts maximum for building wiring and 1000 volts maximum for signs or luminaries. The connector and insulation temperature rating is 90 degrees C. A properly installed connector will have no more than one conductor per port.

Strip Length Chart

Connector Size Length (in)

750H	3-3/8
ISRH 750	2-1/2
750	2
600	2
500	1- 3/4
350	1- 1/2
250	1- 3/8
3/0	1-1/8
1/0	1-1/16
#4	11/16

TORQUE CHART

Tightening Torque, inch pounds
 CONNECTOR SIZES

CONNECTOR SIZE	1000	750	600	500	350	250	3/0	1/0	#4
WIRE SIZE AWG									
1000-800	550								
750-600	550	550	550						
500	450	550	550	450					
400	425	550	550	450					
350	400	550	550	450	400				
250	360	550	550	450	400	360			
4/0		550	550	450	400	360			
3/0		550	550	450	400	360	250		
2/0		550	550	450	400	360	180		
1/0		550	550	450	400	360	180	80	
3-2-1			150	150	150	150	150	65	
#4 - #6			110	110	110	110	110	55	35
#8								45	25
#10 - #14								25	15