

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

Assembly Of Polaris Grey 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.

Pressure screws MUST be secured at the torque value given on the Torque Charts corresponding to the connector, wire size and classification shown this page.

The UL listing is for stranded wire only, 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	Strip length (in)
3/0	1
#1	7/8
#6	11/16

Installation of Mounting Connectors

When installing Mounting Connectors, the Bolt Diameter Chart must be followed for the appropriate bolt size. Torque on mounting bolts must NOT exceed 80 inch pounds.

Mounting Connector Bolt diameter	
Connector Size	Diameter (in)
3/0	1/4
#1	1/4
#6	3/16

Torque Chart for Polaris Grey Connectors In Inch Pounds

Building Wire Class B, C, D Wire Size AWG												
Connector	3/0	2/0	1/0	#1	#2	#3	#4	#6	#8	#10	#12	#14
3/0	250	180	180	120	120	120	110					
#1				150	150	150	110	110	75	45		
#6								45	45	45	45	45

Torque Chart for Polaris Grey Connectors In Inch Pounds

Flexible Wire Class K, M, I Wire Size AWG												
Connector	3/0	2/0	1/0	#1	#2	#3	#4	#6	#8	#10	#12	#14
3/0		180	180	120	120							
#1					150	150	110	110	75	45		
#6								45	45	45	45	45