

# POLARIS®

## BLACK AND VISION TAP® Torque Values (LBF-IN)

Wire Range (MCM/ AWG)	Connector Size									
	750	600	500	350	250	3/0	2/0	1/0	#2	#4
750 - 600	550	550								
500	550	450	450							
400	550	450	450							
350	550	400	400	400						
250	550	360	360	360	360					
4/0 - 3/0	550	250	250	250	250	250				
2/0	550	180	180	180	180	180	120			
1/0	550	180	180	180	180	180	80	80		
#1		150	150	150	150	150	65	65		
#2 - #3		150	150	150	150	150	65	65	65	
#4 - #6		150	110	110	110	110	55	55	35	35
#8				75			45	45	25	25
#10 - #14				35			25	25	15	15

Use the torque value corresponding to the wire size and connector size shown on this page. See reverse for installation instructions and information with regard to UL listing. Not recommended for use with fine-stranded, flexible wire. For fine-stranded, flexible wire, contact your distributor regarding Polaris Grey. A PROPERLY INSTALLED CONNECTOR WILL HAVE NO MORE THAN ONE CONDUCTOR PER PORT.

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## CONNECTORS ASSEMBLY

Black and Vision Tap® –UL listed – Dual rated (AL/ CU) for building code wire only, 600V max or 1000V max for signs or fixtures and are pre-filled with oxide inhibitor. Can be used for parallel wire connections up to 4 input conductors, an Industry first. Wire insulation must be stripped in accordance with the chart below  
Clean and Remove any oxidation present.

When installing Mounting Connectors, use the chart below to select the appropriate mounting bolt, not to exceed 80 in/lbs.

CONNECTOR SIZE	HEX SIZE (IN.)	STRIP LENGTH (IN.)	MOUNTING BOLT DIAMETER (IN.)
#4	1/8"	11/16"	3/16"
#2	5/32"	11/16"	3/16"
1/0	3/16"	1-1/16"	1/4"
2/0	3/16"	1-1/16"	1/4"
3/0	1/4"	1-1/8"	1/4"
250*	5/16"	1-3/8"	5/16"
350*	5/16"	1-1/2"	5/16"
500*	5/16"	1-3/4"	5/16"
600*	5/16"	2"	5/16"
750	3/8"	2"	5/16"
ISRH 750	5/16"	2-1/2"	N/A
750H*	5/16"	3-3/8"	5/16"

\*Parallel Rated for up to four (4) parallel conductors for higher amperage needs.

Connector sizes 2/0 to 750 MCM are suitable for use on the line side of the service equipment per NEC 230.46 requirements

Scan for installation instructions

