



LISTED  
WIRE CONNECTOR  
412C

### Insulated Connectors USA, USAD, PBS Series

- 1- Strip wire insulation for CONNECTOR SIZE per STRIP LENGTH chart, so insulation will stop at aluminum connector body when wire is inserted.
- 2- Insert wire. Assure that bare conductor has full contact with both screw and connector body. To inspect wire insertion on USAD series, remove opposite side wireport plug, inspect, then replace.
- 3- Tighten screw to attain firm connection for wire size using TORQUE GUIDE as a reference.
- 4- Replace plugs over screws and spare wire-ports.

#### WIRE STRIP LENGTH (INCHES)

CONNECTOR SIZE	SERIES		ALLEN HEX
	USA & USAD	PBS	
<b>4</b>	5/8	----	1/8
<b>2</b>	5/8	3/4	5/32
<b>2/0</b>	3/4	1	7/32
<b>250</b>	1 1/8	1 1/4	5/16
<b>350</b>	1 1/4	1 5/8	5/16
<b>600</b>	1 1/2	1 5/8	5/16
<b>750+</b>	1 5/8	2	5/16

#### TORQUE GUIDE (INCH-POUNDS)

WIRE SIZE	CONNECTOR SIZE						
	4	2	2/0	250	350	600	750+
<b>14*</b>	22	28	35				
<b>12*</b>	30	35	65				
<b>10*</b>	35	45	90				
<b>8*</b>	38	55	105				
<b>6*</b>	43	60	110	135	150		
<b>4</b>	43	75	120	150	150	150	
<b>2</b>		75	160	180	180	180	180
<b>1</b>			165	180	180	180	180
<b>1/0</b>			165	180	180	180	180
<b>2/0</b>			170	250	250	250	250
<b>3/0</b>				250	250	250	250
<b>4/0</b>				325	325	325	325
<b>250</b>				360	360	360	360
<b>350</b>					400	500	500
<b>400</b>						500	500
<b>500</b>						550	600
<b>600</b>						600	800
<b>750#</b>							800

For fine-strand flex or extra-flex cables, use Greaves PT-FX Shoo-Pin™ Adapters with USA, USAD, or PBS units.

\* For copper wire only in wire sizes #14SOL - #6AWG

# 750 connector size not CSA Certified or UL Listed

04/04 rev 04/15