

INSULATION CONNECTORS

B-TAP® Insulation Piercing Connectors

Safe, dependable and easy. The Buchanan B-TAP® Insulation Piercing Connector offers a breakaway torque nut that guarantees a perfect connection every time, no more guesswork. It simply snaps off when UL torque requirements are met. The grease-filled rubber end caps provide superior water and corrosion resistance, while the insulation-piercing design eliminates downtime and power interruptions.

That translates into a 60% installed cost savings compared to split bolts. Installation is easy; all you need is a standard socket or wrench. B-TAP® Connectors can be safely installed on energized systems, eliminating power interruptions and downtime.

B-TAP® Connectors...EASY AS 1, 2, 3.

1. Select proper B-TAP® connector.
2. Position cables. No need to turn off power.
3. Tighten breakaway torque nut with a standard socket or wrench.

To determine the most appropriate B-TAP® connector for a specific main and tap combination, see chart.



Wire Range Chart

Part No.		Wire Size																		
		14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500	750
BTC1/0-10	Main: 1/0 - 8																			
	Tap: 2 - 10																			
BTC2/0-14	Main: 2/0 - 4																			
	Tap: 10 - 14																			
BTC4/0-10	Main: 4/0 - 3																			
	Tap: 2 - 10																			
BTC250-6	Main: 250 - 4																			
	Tap: 4/0 - 6																			
BTC350-1/0	Main: 350 - 1/0																			
	Tap: 350 - 1/0																			
BTC500-4	Main: 500 - 2/0																			
	Tap: 4/0 - 4																			
BTC500-1/0	Main: 500 - 4/0																			
	Tap: 350 - 1/0																			
BTC500-14	Main: 750 - 3/0																			
	Tap: 10 - 14																			
BTC750-250	Main: 750 - 250																			
	Tap: 500 - 250																			

Full-line is 600V dual-rated, 194°F (90°C)

Conductor Range		Voltage Rating	Socket Size (Inches)	Torque (In. Lbs.)	No. of Bolts	Part No.
Run	Tap					
1/0-8	2-10 ¹	600V	1/2	80	1	BTC1/0-10
2/0-4	10-14 ²	600V	1/2	80	1	BTC2/0-14
4/0-3	2-10 ³	600V	1/2	125	1	BTC4/0-10
250-4	4/0-6	600V	1/2	160	1	BTC250-6
350-1/0	350-1/0	600V	5/8	330	2	BTC350-1/0
500-2/0	4/0-4	600V	5/8	330	2	BTC500-4
500-4/0	350-1/0	600V	5/8	330	2	BTC500-1/0
750-3/0	10-14 ⁴	600V	1/2	80	1	BTC500-14
750-250	500-250	600V	5/8	330	2	BTC750-250

¹ Tap #2 - #10 Cu solid/stranded; #2 - #10 Al stranded

² Tap #10 - #14 Cu solid/stranded; #10 - #14 Al stranded

³ Tap #2 - #10 Cu solid/stranded; #2 - #8 Al stranded

⁴ Tap #10 - #14 Cu solid/stranded; #10 - #12 Al stranded

