



Patton & Cooke Co.

Wind Power

200 / 600 / 900 Amp Junctions Bars

Durable construction, compact and flexible design make Patton and Cooke Junction Bars the industry choice for Wind Power Applications.

Rugged, Dependable Connections for Critical Applications and Demanding Environments

Patton and Cooke junction bars are designed for a wide range of applications and can be used for looping, tapping and sectionalizing. Our junctions bars are manufactured in 200 Amp, 600 Amp, 900 Amp or any combination of ratings. The 200 Amp units incorporate the IEEE standard 386 universal bushing well design, making it possible to use either a loadbreak or deadbreak bushing insert. With a variable number of positions and voltages, the JB Series provides a single component solution and matches this with the durability necessary to handle the over-current demands of wind power applications.



JUNCTION BARS for Wind Power Applications

Patton & Cooke junction bars are fully shielded, fully submersible, thoroughly resistant to harsh chemicals and rated for use on applications up to 35 kV.

All in-line junctions can be equipped with universal mounting brackets that can provide mounting angles from 0 to 90°, "U" straps or special mounting arrangements required for installation in sectionalizing cubicles. Parking stands are available in a variety of configurations for use in standard or custom applications. Patton & Cooke mounting brackets are manufactured of stainless steel or, where applicable, powder coated mild steel. Parking stands are exclusively made of stainless steel.



Meeting your high voltage electrical equipment needs



Manufactured to ANSI/IEEE Standard 386.

S U P E R I O R



Top view of replaceable studs and protective cover.



Y Splice, Single Phase,
25 kV with 600 Amp
cylindrical bushings



Stacked style Junction Bar
Single Phase, 15/25 kV,
8 Point, 200 Amp



Y Splice, Three Phase,
12 Point, 15/25 kV,
200/600 Amp



L Splice, Single Phase,
15/25 kV, 200/600 Amp



Y Splice, Three Phase,
15/25 kV, 200 Amp



Y Splice, Three Phase, 35 kV
with 600 Amp cylindrical bushings

ELECTRICAL RATINGS FOR SEPARABLE CONNECTORS

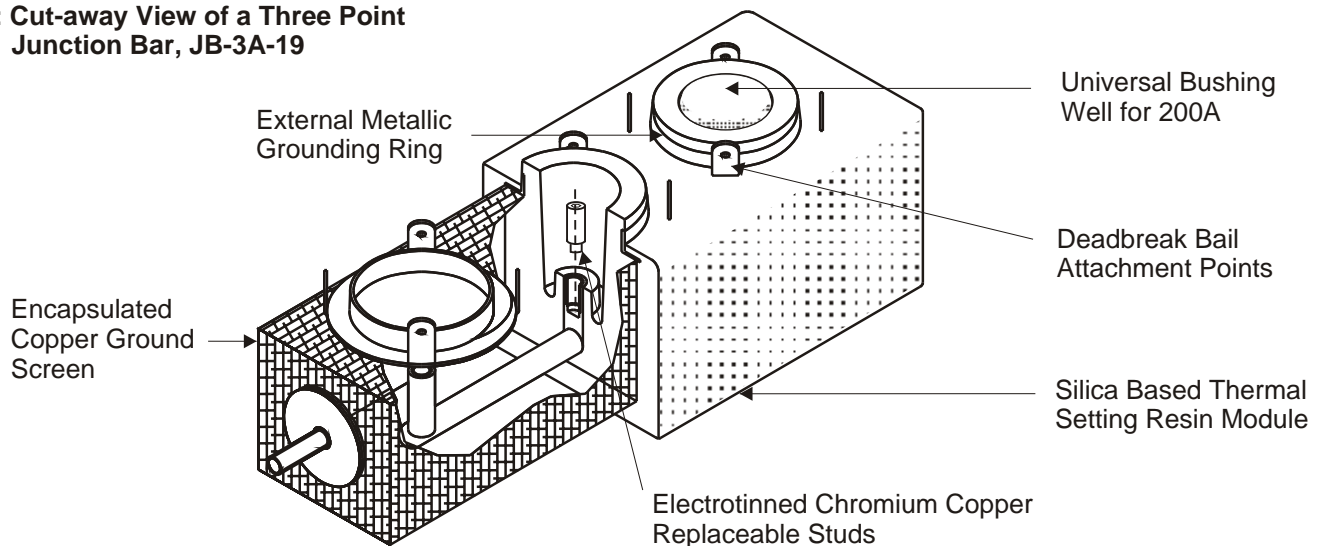
DESCRIPTION	15 kV Class Ratings	25 kV Class Ratings	35 kV Class Ratings
OPERATING VOLTAGE (Maximum continuous line-to-ground, 100% insulation system)	8.3 kV	15.2 kV	21.1 kV
BIL (@ 1.2 50 microsecond wave)	95 kV	125 kV	150 kV
WITHSTAND VOLTAGE AC (1 minute) DC (1 minute)	34 kV 53 kV	40 kV 78 kV	50 kV 103 kV
CORONA EXTINCTION LEVEL (min. @ 3pC)	11 kV	19 kV	26 kV
CURRENT 200 Amp Class Products Continuous operation: Short-time: 600 Amp Class Products Continuous operation: Short-time:		200 A* 10 kA sym. 10 cycles 600 A* 25 kA sym. 10 cycles	

All separable connectors are designed and manufactured to ANSI/IEEE Standard 386 and tested in accordance with IEEE #48.

Ratings are based on ANSI/IEEE standards and do not reflect maximum levels.

Application Considerations: This product is designed for use on grounded "Y" systems. *Designed for 90° C maximum continuous operating temperature.

FIGURE 1: Cut-away View of a Three Point Junction Bar, JB-3A-19



T E C H N O L O G Y