

UTILITY PRODUCTS

JUNCTION BARS

L & Y (WYE) SPLICE

Patton & Cooke Co. has the solution to overcrowded junction bar for separable connector installations...The L Splice & Y Splice.

Patton & Cooke's L Splice & Y Splice have the same great features as all of our Junction Bars for Separable Connectors...but there's more. The unique splice designs allow streamline cable orientation even in the smallest vaults. Installation is done with ease and there is less mechanical stress on connection points. Orderly cable installations also simplify future maintenance and reduce work area safety hazards. The L Splice is available for voltages to 25 kV and now the Y Splice is available for applications up to 35 kV.

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



UNIQUE FEATURES	BENEFITS
Module vacuum cast from silica based thermal setting resin	<ul style="list-style-type: none"> • Possesses high dielectric strength (600V/mil) • Resistant to extreme temperatures, acids, alkalis, solvents and to mechanical stress fracturing • Prevents amalgamation with rubber inserts and elbows
Integral mechanical cast design is solid	<ul style="list-style-type: none"> • Module is rigid and will not deform under cable loading • Provides excellent fault current withstand
Encapsulated copper screen for ground shielding	<ul style="list-style-type: none"> • Solid ground is furnished between internal screen and surface of module, providing absolute ground fault protection • Increases strength of module casting • Internal ground system can not be damaged compared to an external system, extending the life of the module • Module ground integrity is not compromised by external abuse or caustic environments • Provides superior safety and reduces liability
Accepts both loadbreak and deadbreak inserts	<ul style="list-style-type: none"> • Offers universal installation capabilities
Metallic ring on 200 Amp universal bushing well	<ul style="list-style-type: none"> • Ground shield is permanent compared to easily damaged surface applied conductive paint • Extends product life
200 Amp universal bushing well supplied with replaceable studs	<ul style="list-style-type: none"> • Replaceability of individual components lengthens product life • Reduce downtime
Replaceable studs have full length internal hex	<ul style="list-style-type: none"> • Allows removal of stud regardless of its size or condition

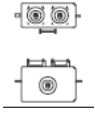
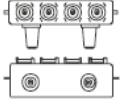


PATTON & COOKE CO.
High Voltage Equipment Solutions. Design and Manufacturing.



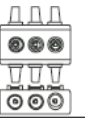
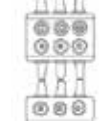
#100 - 7795 128th Street
Surrey, BC • V3W 4E6 • Canada
Email: contact@pattonandcooke.com
www.pattonandcooke.com

UTILITY PRODUCTS



L SPLICE - 15/25 kV

Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight
			Length	Width	Height					Length	Width	Height	
	3 Point Single Phase 2 x 200 Amp 1 x 200 Amp	JBL-2A/1A-19	13" 330 mm	4 3/4" 121 mm	4 3/4" 121 mm	14.0 lb 6.5 kg		6 Point Single Phase 4 x 200 Amp 2 x 600 Amp	JBL-4A/2B-19	17 3/8" 441 mm	10 1/8" 257 mm	5 3/4" 146 mm	26.0 lb 12.0 kg

Y SPLICE - 15/25 kV

Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight
			Length	Width	Height					Length	Width	Height	
	9 Point Three Phase 3 x 200 Amp 3 x 300 Amp 3 x 300 Amp	JBY-9A-19	13" 330 mm	6 1/4" 159 mm	4 3/4" 121 mm	21.0 lb 9.5 kg		9 Point Three Phase 3 x 600 Amp 3 x 600 Amp 3 x 600 Amp	JBY-9J-19	15 3/16" 386 mm	10 1/2" 267 mm	16" 406 mm	45.0 lb 20.5 kg
	9 Point Three Phase 3 x 600 Amp 3 x 200 Amp 3 x 600 Amp	JBY-3A/6B-19	13" 330 mm	16 1/4" 413 mm	6" 152 mm	39.0 lb 18.0 kg		12 Point Three Phase 3 x 600 Amp 3 x 200 Amp 3 x 600 Amp 3 x 600 Amp	JBY3-3A/9B-19	13 " 330 mm	18 1/2" 470 mm	11 3/8" 289 mm	60.0 lb 27.0 kg

Y SPLICE - 35 kV

Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalogue Number	Dimensions			Weight
			Length	Width	Height					Length	Width	Height	
	9 Point Three Phase 3 x 600 Amp 3 x 200 Amp 3 x 600 Amp	JBY3-1A/2B-26	20 1/8" 511 mm	19 3/4" 502 mm	9 3/4" 248 mm	70.0 lb 32.0 kg		9 Point Three Phase 3 x 600 Amp 3 x 200 Amp 3 x 600 Amp	JBY3-1A/2J-26	23 7/8" 606 mm	17 1/2" 445 mm	9 3/4" 248 mm	70.0 lb 32.0 kg

SELECTION REMINDERS:

- Standard ratings for 12/25 kV L & Y Splice:
Voltage: to 25 kV, Impulse Voltage: to 125 kV BIL
Corona Extinction: to 19 kV
Standard Ratings for 35 kV Y Splice:
Impulse Voltage: 150 kV BIL,
Corona Extinction: 26 kV
- The standard splice is equipped with protective covers and a mounting bracket. Parking stands are optional and sold separately.
- Many combinations of 200/600 Amp junction bars are available. Create your unique junction bar requirement then contact factory.
- *4. Note straight receptacle interface.

ORDERING PROCEDURE:

- Determine the following: a) Maximum voltage, kV b) Current rating, Amp. For 600 Amp, specify standard or straight receptacle interface, c) Number of positions required for installation, d) Configuration of splice.
- Select catalogue number of splice.
- Specify if mounting brackets or parking stands are required.

Example: 25 kV (corona extinction = 19 kV), four 200 Amp universal bushing wells required straight inline and two 600 Amp standard bushings required at 90°

L-Splice Catalogue Number **JBL-4A/2B-19**



PATTON & COOKE CO.
High Voltage Equipment Solutions. Design and Manufacturing.

#100 - 7795 128th Street
Surrey, BC • V3W 4E6 • Canada
Email: contact@pattonandcooke.com
www.pattonandcooke.com