



# 25 kV Single Phase "Y Splice"



Manufactured to  
ANSI/IEEE Standard 386.



## Features

Rated for use at voltages up to 25 kV

Module vacuum cast from silica based thermal setting resin

Integral mechanical cast design is solid

Encapsulated copper screen for ground shielding

Available with combinations of 200 Amp universal bushing wells and 600 Amp bushings

Accepts both loadbreak and deadbreak inserts

200 Amp universal bushing wells are standard equipped with deadbreak bail attachment points

200 Amp universal bushing well supplied with replaceable studs

Studs are electroplated high strength chromium copper

Replaceable studs have full length internal hex

Both vault and sectionalizing cubicle mounting brackets are available

## Benefits

- One unit can meet all voltage requirements.
- reduces inventory.
- saves money.
- possesses high dielectric strength (600V/mil).
- resistant to extreme temperatures.
- resistant to all acids, alkalis and solvents, e.g. cable cleaner.
- prevents amalgamation with rubber inserts and elbows.
- superior resistance to mechanical stress fracturing.
- module is rigid and will not deform under cable loading.
- provides excellent fault current withstand.
- 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.
- reduces liability.
- saves space, all separable connectors can be mounted on one plane.
- saves time and money, as only one component is required.
- reduces inventory.
- offers universal installation capabilities.
- prevents inadvertent removal of a deadbreak elbow.
- Increases safety.
- replaceability of individual components lengthens lifespan of unit.
- reduces downtime.
- reduces damage resulting from over-torquing.
- eliminates binding between similar metals.
- allows removal of stud regardless of its size or condition.
- adapts to all mounting requirements.

**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 CO.

25 kV  
Single Phase  
Y-Splice

Meeting your high  
voltage electrical  
equipment needs



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



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



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



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



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

## ORDERING INFORMATION



### Y Splice - 15/25 kV

Illustration (not to scale)	Description	Catalog Number	Dimensions			Weight
			Length	Width	Height	
	6 Point Single Phase 2 x 600 Amp 4 x 600 Amp	<b>JBL-2J/2B/2J-19</b>	11 1/4 " 286 mm	16 5/16 " 421 mm	12 " 305 mm	38.0 lb 17.24 kg

### Y Splice - 15/25 kV

Illustration (not to scale)	Description	Catalog Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalog Number	Dimensions			Weight
			Length	Width	Height					Length	Width	Height	
	9 Point Three Phase 3 x 200 Amp 3 x 200 Amp 3 x 200 Amp	<b>JBY-9A-19</b>	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	<b>JBY-9J-19</b>	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	<b>JBY-3A/6B-19</b>	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	<b>JBY-3A/9B-19</b>	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	Catalog Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalog 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	<b>JBY3-1A/2B-26</b>	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	<b>JBY3-1A/2J-26</b>	23 7/8 " 606 mm	17 1/2 " 445 mm	9 3/4 " 248 mm	70.0 lb 32.0 kg

### L Splice - 15/25 kV

Illustration (not to scale)	Description	Catalog Number	Dimensions			Weight	Illustration (not to scale)	Description	Catalog Number	Dimensions			Weight
			Length	Width	Height					Length	Width	Height	
	3 Point Single Phase 2 x 200 Amp 1 x 200 Amp	<b>JBL-2A/1A-19</b>	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	<b>JBL-4A/2B-19</b>	17 3/8 " 441 mm	10 1/8 " 257 mm	5 3/4 " 146 mm	26.0 lb 12.0 kg

### SELECTION REMINDERS:

- Standard ratings for 15/25 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 catalog 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 Catalog Number

**JBL-4A/2B-19**

PATTON & COOKE ALSO MANUFACTURES CAPNUT TERMINATIONS (POTHEADS), CABLE TRANSITION MODULES, SUBSTATION CONNECTORS, BUS SUPPORTS, AIRCRAFT WARNING MARKERS AND INSULATORS.



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