

Issue 7/25/2011

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File: PSS-K656CY-W0X

15/25kV	600A Deadbreak Separable Wye Joint	w/ Test Point	K656CY-W0X
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Features:

- 15/25kV, 600A Deadbreak rated separable connector.
- Compact design is suitable for small vaults and manholes.
- Fully shielded, fully submersible, 100% peroxide cured EPDM molded rubber.
- Reusable components reduce inventory and other costs.
- Includes integral capacitive test point.

K656CY-W0X Deadbreak Separable Wye Joint

Applications:

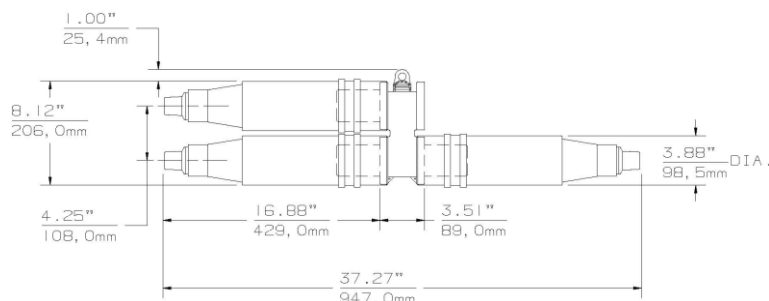
Elastimold separable cable joints are modular kits: 2-way, 3-way or 4-way insulated bus bars and retractable straight receptacle housings. The K656CY Separable "Y" joint is based on the 3-way bus bar. The cables are bolted via compression lug to the bar. The straight receptacle house slides over the connections to form a fully shielded, fully submersible 3-way disconnectable cable joint. The K656CY cable joint is used to join cables in a disconnectable 3-way joint. It is suitable for small vaults and manholes due to its size compact. K656CY is modular and ideal where separable components are required to accommodate future system circuit changes or expansions. It can also be used initially as 3-way joint with insulated caps on the un-used interface. The K656CY can also be used in direct -buried applications.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision
15kV Voltage Class
8.3kV Max Phase-to-Ground – Operating Voltage
14.4kV Max Phase-to-Phase
95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
34kV AC – One minute withstand
53kV DC – 15 minutes withstand
11kV AC – Corona Extinction @ 3pC sensitivity
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary & Fault Close

25kV Voltage Class
16.2kV Max Phase-to-Ground – Operating Voltage
28kV Max Phase-to-Phase
140kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
45kV AC – One minute withstand
84kV DC – 15 minutes withstand
21kV AC – Corona Extinction @ 3pC sensitivity
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary & Fault Close

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Ordering Instructions:

Step 1 (W)

Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2

Insert conductor material code.

Step 3 (X)

Choose the proper compression lug code according to the conductor size from table 2. Insert code into catalog number.

Example:

The ordering number for a 600 Amp wye separable joint with insulation diameter of .88 inches and a 1/0 stranded aluminum conductor is K656CY-G0240

K656CY - W Code

XXX Code

Cable Insulation Diameter in inches		Symbol for W
MIN.	MAX.	
0.640	0.820	F
0.760	.950	G
0.850	1.050	H
0.980	1.180	J
1.090	1.310	K
1.180	1.465	L
1.280	1.430	LM
1.370	1.630	M
1.515	1.780	N
1.725	1.935	P

XXX Code	Conductor Size AWG or kcmil	
	Strand./ Compr.	Solid/ Comp.
210	-	#2
220	#2	#1
230	#1	1/0
240	1/0	2/0
250	2/0	3/0
260	3/0	4/0
270	4/0	250
280	250	300
290	300	350
300	350	400
310	400	450/500
320	450	550
330	500	600
340	550	650
350	600	700
360	650	750
380	700/750	800/900
390	800	-
400	900	1000
410	1000	-
420	-	1250
440	1250	-

Notes:

- Complete Joint Packages consist of the following: insulated bus bar, straight receptacle housing, retaining rings, cable size adapters, lugs, bolts, and washers.
- Add suffix symbol to include cable shield grounding kit and/or cable jacket sealing kit.
- Sealing and grounding kits are highly recommended as a save installation

Each kit contains the following:

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|---|--------------------------|------------|
| 1 | 3-Way Bus Bar | K656CY-BUS |
| 2 | Lubricant | 82-08 |
| 1 | Installation Instruction | IS-1074 |
| 3 | Straight receptacle | K655YSR |
| 3 | SR Size Kit | 655CK-ARR |