

Issue Date: 11/21/2014
Page: 1 of 2
File: PSS-M656I-W0X

35kV	600A Deadbreak Separable Straight Joint	w/ Test Point	M656I-W0X
------	---	---------------	-----------



M656I-W0X Deadbreak Separable Straight 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 K656CH Separable Straight joint is based on the 2-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 2-way disconnectable cable joint. The M656I cable joint is used to join cables in a disconnectable 4-way joint. It is suitable for small vaults and manholes due to its compact size. M656I is modular and ideal where separable components are required to accommodate future system circuit changes or expansions. It can also be used initially as 2-way joint with insulated caps on the unused interfaces. The M656I can also be used in direct -buried applications.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

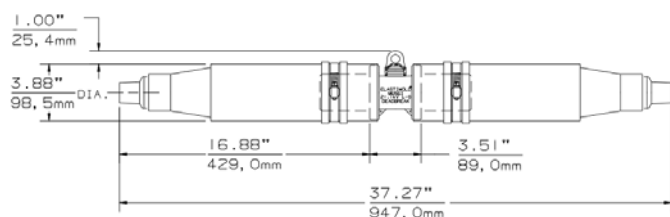
For 35kV Voltage Class:

21.1kV Max Phase-to-Ground – Operating Voltage
36.6kV Max Phase-to-Phase
150kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
50kV AC – One minute withstand
103kV DC – 15 minutes withstand
26kV AC – Corona Extinction @ 3pC sensitivity
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary

Features:

- 35kV, 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

35kV	600A Deadbreak Separable Straight Joint	w/ Test Point	M6561-W0X
------	---	---------------	-----------



Ordering Instructions:

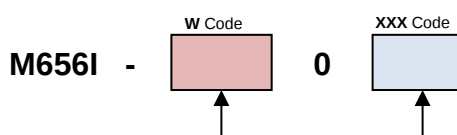
Step 1 (W)
Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number for each cable.

Step 2
Insert conductor material code for each cable.

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 2-way separable joint for cable insulation diameter of .88 inches and a 1/0 stranded aluminum conductor is M6561-G0240



Cable Insulation Diameter in inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.640	0.820	16.26	20.83	F
0.760	.950	19.30	24.13	G
0.850	1.050	21.59	26.67	H
0.980	1.180	24.89	29.97	J
1.090	1.310	27.69	33.27	K
1.180	1.465	29.97	37.21	L
1.280	1.430	32.51	36.32	LM
1.370	1.630	34.80	41.40	M
1.515	1.780	38.48	45.21	N
1.725	1.935	43.82	49.15	P

XXX Code	Conductor Size			Universal Aluminum Connector	All Copper Connector
	AWG or kcmil		mm ²		
	Strand./ Compr.	Solid/ Comp.			
210	-	#2	26.67	03700210	03702210
220	#2	#1	33.62	03700220	03702220
230	#1	1/0	42.41	03700230	03702230
240	1/0	2/0	53.49	03700240	03702240
250	2/0	3/0	67.43	03700250	03702250
260	3/0	4/0	85.01	03700260	03702260
270	4/0	250	107.2	03700270	03702270
280	250	300	127	03700280	03702280
290	300	350	152.01	03700290	03702290
300	350	400	177	03700300	03702300
310	400	450/500	202.68	03700310	03702310
320	450	550	228.02	03700320	03702320
330	500	600	253	03700330	03702330
340	550	650	278.5	03700340	03702340
350	600	700	304	03700350	03702350
360	650	750	329.5	03700360	03702360
380	700/750	800/900	355	03700380	03702380
390	800	-	405	03700390	03702390
400	900	1000	456	03700400	03702400
410	1000	-	507	03700410	03702410
420	-	1250	608	03700420	03702420
440	1250	-	633	03700440	03702440

Each kit contains the following:

2	Lubricant	82-08
1	4-Way Bus Bar	M656CH-BUS
1	Installation Instruction	IS-0452
2	Straight receptacle	M655BSR
2	Compression Lug	03700XXX
2	Cable Adapters	655CA-W
2	Adapter Retaining Rings	650ARR-X
2	Bolts and Washers	650BAW
2	Hose Clamps	650-469
1	Nylon Rod	150-515

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 "-SG3" to include cable shield grounding kit for copper tape shield cables or "-S" for concentric neutral cables.
- Catalog numbers with more than 20 characters refer to factory.
- To order with an all copper connector, please change the "0" in the catalog number to a "2". (Example: M6561-G2240)
- For 200 kV BIL rating, please add suffix "-200" after the part number. Example: M6561-G0240-200