

# 600-Amp deadbreak separable connectors

## 600 Series deadbreak components

### 600 Amp deadbreak accessories

Image (not to scale)	Description	Voltage class	Cat. No.	Notes
	Cable size adapter	15/25 kV	655CA-W Use tables W7	
		35 kV	755CA-W Use tables W9	
	Compression lug	All	03700X Use tables X6	N5
		All	03702X Use tables X6	N6
	Bimetallic compression lug	All	04601XXX Use Table X6	N16
	Epoxy connecting plug	15/25 kV	K650CP	N9
	600 Series elbow and vault stretcher size sensitive kit (cable adapter and lug)	15/25 kV	655CK-W0X Use tables W7 and X6	N2
		35 kV	755CK-W0X Use tables W9 and X6	N2
	Adapter retaining ring	ALL	650ARR-X Use Table X6	
	600 Series straight receptacle size sensitive kit (cable adapter, retaining ring and lug)	15/25 kV	655CK-W0X-ARR Use tables W7 and X6	N2
	Bushing extender (with stud)	15/25 kV	K655BE	N1, 3
		35 kV	755BE	N1, 3
	Insulated cap with test point (with stud)	15/25 kV	K656DR	N3, 7
		35 kV	756DR	
	Insulated cap with test point (with stud) and ground	15/25 kV 35 kV	K656DRG 756DRG	N3, 7
	Insulating plug (with cap)	15/25 kV 35 kV	K650BIP 750BIP	N1, 7, 8 N1, 7, 8
	Grounding plug (ground lead 2/0 AWG x 30")	15/25 kV 35 kV	650GP 750GP	N1, 7, 8 N1, 7, 8
	Insulated parking bushing	15/25 kV 35 kV	K650SOP 750SOP	N7, 8 N7, 8
	Connecting plug	15/25 kV 35 kV	K651CP 750CP	N1, 7, 8, 10 N1, 7, 8, 10
	Deadbreak reducing tap plug	15/25 kV	K650RTP	N1, 7, 8, 9
	Reducing tap well	15/25 kV	K650RTW	N1, 7, 8, 9
	Loadbreak elbow tap plug	15 kV 25 kV 35 kV	650ETP K650ETP 750ETP	N1, 7, 8, 10 N1, 7, 8, 10 N1, 7, 8, 10
	Vault stretcher threaded stud	15/25 kV 35 kV	650VSA 750VSA	N1 N1
	600 Series elbow threaded stud	15/25 kV 35 kV	650SA 750SA	N1 N1
	Assembly tool (window-op)	All	600ATM	
	Spanner wrench	All	600SW	N9
	Direct voltage test meter adapter for: HD electric meters	All	200TC-1	N12
	Ross meters		200TC-2	N12
	Chance meters		200TC-4	N12

- N1. For 900-amp ratings, substitute 675 for 650 and 655; 676 for 656; K671 for K651; K675 for K650 and K655; K676 for K656; 775 for 750 and 755; 776 for 756 and 2X for 0X in the catalog number. The 900-amp rating requires copper current-carrying connector components and copper conductor cable.
- N2. Add suffix symbol from page 77 to include cable shield grounding kit and/or cable jacket sealing kit.
- N3. Available without the stud by adding "N" to the catalog number.
- N4. Straight receptacle adapter is used to connect straight receptacles K655YBSR and K655YSR-W0X (page 50) to equipment bushings.
- N5. Aluminum lug for use on aluminum or copper conductors. DO NOT substitute threaded 03600X lug.
- N6. Copper lug for use on COPPER CONDUCTOR ONLY. Do not substitute threaded 03602X lug.
- N7. Available with the stud factory-assembled by adding "SP" to the catalog number. 675ETP, K675ETP and 775ETP are available as -SP only. The stud is not field removable.
- N8. Available with a loose stud by adding suffix "S" to the catalog number.
- N9. 600SW spanner wrench is recommended for installation of deadbreak reducing tap plugs and reducing tap wells.
- N10. Use 600ATM assembly tool.
- N11. 600 Series elbows and straight receptacles with IEEE Std. 386 capacitive test points are available by substituting 656 for 655; K656 for K655; K676 for K675; 756 for 755; 676 for 675; K676 for K675 and 776 for 775 in the catalog number.
- N12. Direct test connectors, along with a 200TC-X series meter adapter, a properly rated voltage meter and hot-line stick; provides a means for direct conductor voltage testing.
- N13. With stainless steel bracket.
- N15. Available with 200 kV BIL adding suffix "-200".
- N16. Bimetallic lug for use on aluminum or copper conductors. DO NOT substitute threaded 05501X lug.

Refer to the W and X tables on pages 86–87 for sizing to cable insulation diameter and conductor size. For cable shield adapters and jacket seals, see pages 76–77.

Applicable cat. no. use for following products	Conductor size AWG or kcmil	Symbol for W	
		Strand./ compr.	Compt./ solid.
<b>Table W10</b>			
35PCJ-1	0.850	1.050	H
35PCJ-2	0.980	1.180	J
	1.090	1.310	K
	1.180	1.465	L
	1.370	1.630	M
	1.515	1.780	N
	1.725	1.935	P
	1.900	2.120	Q

<b>Table W16</b>			
252LR	0.575	0.740	A
252LRJS	0.635	0.905	B
	0.805	1.060	C
	0.890	1.220	D
	1.090	1.310	E

Applicable cat. no. use for following products	Conductor size AWG or kcmil	Symbol for X	
		Strand./ compr.	Compt./ solid.
<b>Table X1</b>			
167/168ELR/DELRL	#2	220	210
273/274ELR/DELRL	#1	230	220
156LR, 161/162LR	#1	230	220
261/262LR, 167LRT	1/0	240	230
167/168RLR, 167DLR	1/0	240	230
273/274RLR, 273DLR	2/0	250	240
00400, 02500	3/0	260	250
02509, 02702	3/0	260	250
02800, K151SP/SR	4/0	270	260
375LR/376LR	4/0	270	260
	250	—	270

<b>Table X2</b>			
375/376LR	1/0	240	230
	2/0	250	240
	3/0	260	250
	4/0	270	260

<b>Table X6</b>			
655/656LRTP	—	#2	210
K655/656LRTP	#2	#1	220
755/756LRTP	#2	#1	220
K656I/Y/H	#1	1/0	230
K655/656LR	1/0	2/0	240
755/756LR	1/0	2/0	240
K655/656SR	2/0	3/0	250
655/656LINK	2/0	3/0	250
K655/656LINK	3/0	4/0	260
755/756LINK	3/0	4/0	260
655/656ETP	4/0	250	270
K655/656ETP	4/0	250	270
755/756ETP	250	300	280
655/656BI-LINK	300	350	290
K655/656BI-LINK	300	350	290
755BI-LINK	350	400	300
655CK, 755CK	400	450	310
655TCK, 03600	400	450	310
03602, 03700, 03702	450	500/550	320
	500	600	330

Applicable cat. no. use for following products	Conductor size AWG or kcmil	Symbol for X	
		Strand./ compr.	Compt./ solid.
<b>Table X6 continued</b>			
K655/656LRTP	550	650	340
755/756LRTP	550	650	340
K656I/Y/H	600	700	350
K655/656LR	650	750/800	360
755/756LR	650	750/800	360
K655/656SR	700/750	900	380
655/656LINK	700/750	900	380
K655/656LINK	800	—	390
755/756LINK	800	—	390
655/656ETP	900	1000	400
K655/656ETP	900	1000	400
755/756ETP	1000	—	410
655/656ETP	1000	—	410
K655/656BI-LINK	—	1250	420
755BI-LINK	—	1250	420
655CK, 755CK	1250	—	440
655TCK, 03600	1250	—	440
03602, 03700, 03702	1250	—	440

<b>Table X7</b>			
15PCJ1	#2	220	210
25PCJ1	#2	220	210
35PCJ1	#1	230	220
15PCJ2	1/0	240	230
25PCJ2	2/0	250	240
35PCJ2	2/0	250	240
	3/0	260	250
	4/0	270	260
	250	280	270
	350	300	290
	500	330	310
	750	380	360
	1000	410	400
	1250	440	420

<b>Table X9</b>			
PCT1	#2	220	210
PCT2	#2	220	210
01000	#1	230	220
01010	1/0	240	230
	2/0	250	240
	3/0	260	250
	4/0	270	260