

## 600 series test and ground and Stick-Op™ deadbreak connector systems

The Elastimold 600 series test and ground and Stick-Op deadbreak connector systems incorporate provisions for hotstick operation of de-energized primary feeder or network circuits.

The test and ground and Stick-Op connectors allow direct testing and grounding with no required cable movement.

Test and ground is ideal for equipment applications that include viewing windows to provide an internal visible break and that do not require hotstick removal of the elbows.

Stick-Op provides an external visible break by hotstick removal of the elbow.

Test and ground and Stick-Op connectors are bolted and installed using torque-controlled tools.

### Ratings overview

See pages A4–A5 for complete information.

#### Current ratings

- 600 A and 900 A continuous
- 25 kA sym., 10 cycles

Note: 900 A ratings require copper cable and copper current-carrying components.

#### Continuous voltage ratings

##### 15 kV class

- 8.3 kV phase-to-ground
- 14.4 kV phase-to-phase
- 95 kV BIL
- 34 kV AC withstand
- 53 kV DC withstand
- 11 kV corona extinction

##### 25 kV class

- 15.2 kV phase-to-ground
- 26.3 kV phase-to-phase
- 125 kV BIL
- 40 kV AC withstand
- 78 kV DC withstand
- 19 kV corona extinction

##### 35 kV class

- 21.1 kV phase-to-ground
- 36.6 kV phase-to-phase
- 150 kV BIL
- 50 kV AC withstand
- 103 kV DC withstand
- 26 kV corona extinction

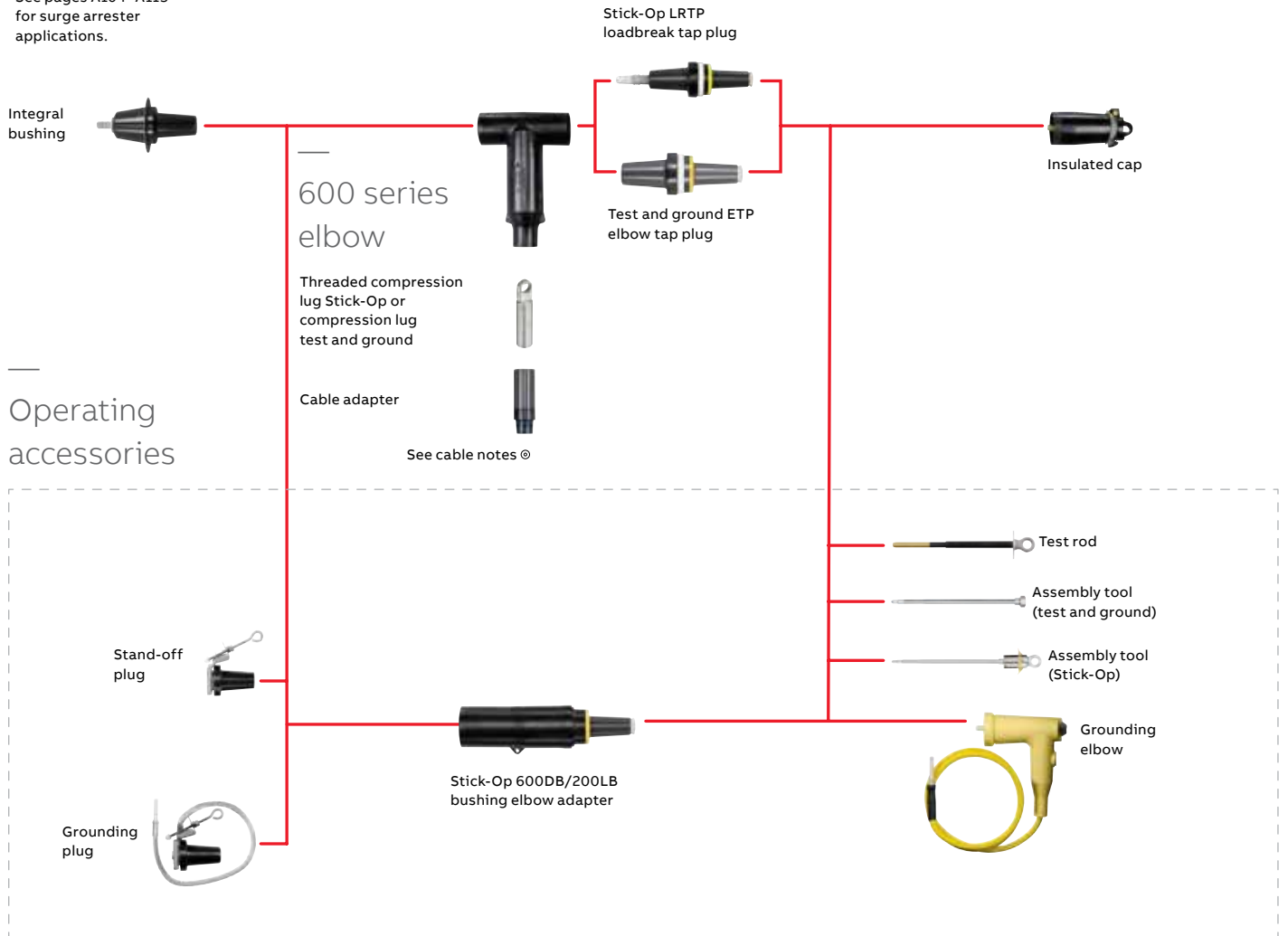


### 600 A deadbreak elbow separable connectors

600 series test and ground and Stick-Op deadbreak connector systems

#### Stick-Op and test and ground system – 600 series deadbreak





See pages A104–A113 for surge arrester applications.



## 600 A deadbreak elbow separable connectors

### Stick-Op kits













#### Stick-Op kits

Image (not to scale)	Description	Voltage class (kV)	Cat. no.	Notes
	Test and ground connector kit	15	655ETP-WOX-DRG Use tables W7 and X6	N1, 4, 5, 6, 11, 13
		25	K655ETP-WOX-DRG Use tables W7 and X6	
		35	755ETP-WOX-DRG Use tables W9 and X6	
	Test and ground replacement connector kit	15	655RETP	N4, 5, 6, 11, 13, 14
		25	K655RETP	
	Stick-Op connector kit	15	655LRTP-WOX-DRG Use tables W7 and X6	N2, 3, 4, 5, 8, 11
		25	K655LRTP-WOX-DRG Use tables W7 and X6	
		35	755LRTP-WOX-DRG Use tables W9 and X6	
	Stick-Op replacement connector kit	15	655RLRTP	N3, 4, 5, 8, 11, 14
		25	K655RLRTP	

## 600 A deadbreak elbow separable connectors

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### Stick-Op accessories

Image (not to scale)	Description	Voltage class (kV)	Cat. no.	Notes
	Stick-Op size-sensitive kit (cable adapter and threaded lug)	15/25	655TCK-WOX Use tables W7 and X6	N5
		35	755TCK-WOX Use tables W9 and X6	N5
	Extraction tool	All	650ET	N10
	Grounding elbow (1/0 AWG x 6' ground lead)	15	160GLR	-
		25	370GLR	N12
		35	370GLR	N12
	Test rod	All	370TR	-
	Assembly tool (Stick-Op)	All	600AT	N3
	Assembly tool (test and ground)	All	600ATM	N13
	Test and ground loadbreak elbow tap plug	15	650ETP	N4, 13, 16
		25	K650ETP	N4, 13, 16
		35	750ETP	N4, 13, 16
	Stick-Op loadbreak reducing tap plug	15	650LRTPA3	N3, 4
		25	K650LRTPA2	-
		35	750LRTPA2	-
	Stick-Op bushing adapter	15	655BEA3	N3, 4
		25	K655BEA2	-
		35	755BEA2	-
	Compression lug test and ground	All	03700X Use tables X6	N6
		All	03702X Use tables X6	N7
	Threaded compression lug Stick-Op	All	03600X Use tables X6	N8, 15
		All	03602X Use tables X6	N9
	Test and ground size-sensitive kit (cable adapter and lug)	15/25	655CK-WOX Use tables W7 and X6	N4, 5
		35	755CK-WOX Use tables W9 and X6	N4, 5

**N1.** Test and ground kit includes: insulated cap; test and ground reducing tap plug; 600 series elbow housing; cable adapter; and 0370 style compression lug.

**N2.** Stick-Op kit includes insulated cap; Stick-Op loadbreak reducing tap plug; 600 series elbow housing; cable adapter; and threaded 0360 style compression lug.

**N3.** 600AT assembly tool required for operation and/or installation of Stick-Op.

**N4.** For 900 A ratings, substitute 675 for 650 and 655; 676 for 656; 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 A rating requires copper current-carrying connector components and copper conductor cable.

**N5.** Add suffix symbol from page A17 to include cable shield grounding kit and/or cable jacket sealing kit.

**N6.** Aluminum lug for use on aluminum or copper conductors.

DO NOT substitute threaded 03600X lug.

**N7.** Copper lug for use on COPPER CONDUCTOR ONLY.

DO NOT substitute 03602X threaded lug.

**N8.** Threaded aluminum lug (Stick-Op only) for use on copper or aluminum conductors. DO NOT substitute unthreaded 03700X lugs. DO NOT use with 675, 676, K675, K676, 775 or 776 catalog numbers.

**N9.** Threaded copper lug (Stick-Op only) for use on copper conductors only. DO NOT substitute unthreaded 03702X lugs.

**N10.** Required to disassemble Stick-Op loadbreak reducing tap plug from the threaded compression lug and 600 series elbow after the shear-pin is broken during assembly.

**N11.** 600 series Elbows with IEEE 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.** Rated for both 25 kV and 35 kV applications.

**N13.** 600ATM assembly tool required for test and ground assembly. 50–60 ft./lbs. torque wrench required but not included.

**N14.** Replacement elbow includes: insulated cap; reducing tap plug; 600 series elbow housing; I-adapter; straight receptacle, resulting in a net gain of 20" in length vs. a standard elbow kit. Compression lugs and cable adapters are ordered separately.

**N15.** Retrofit sleeve to convert 03600X series lug to a 03700X series lug (catalog number 650-353).

**N16.** Add "SP" to the part number to include factory-assembled stud.

Refer to the W and X tables on pages A54–A55 for sizing to cable insulation diameter and conductor size. For cable shield adapters and jacket seals, see pages A44–A45.