

## 600 A deadbreak elbow separable connectors

### 600 series Cam-Op™ deadbreak connector system

The Elastimold 600 series Cam-Op deadbreak connector system incorporates provisions for hotstick operation of de-energized primary feeder or network circuits. Configurations allow external visible break, testing, grounding and isolation. Retrofit kits allow upgrading existing equipment.

The Cam-Op system utilizes pin and socket connectors and can be retrofitted to existing equipment. The Cam-Op connector is easily installed or removed by hotstick operation of the cam-action disconnect lever.

#### Features

- 15/25 and 35 kV, 600 A deadbreak-rated Cam-Op link
- Provides 200 A tap for testing and grounding connections
- Cam-Op lever for hotstick operation and easy installation and removal
- Visi-Break series provides for independent isolation of circuits

#### 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

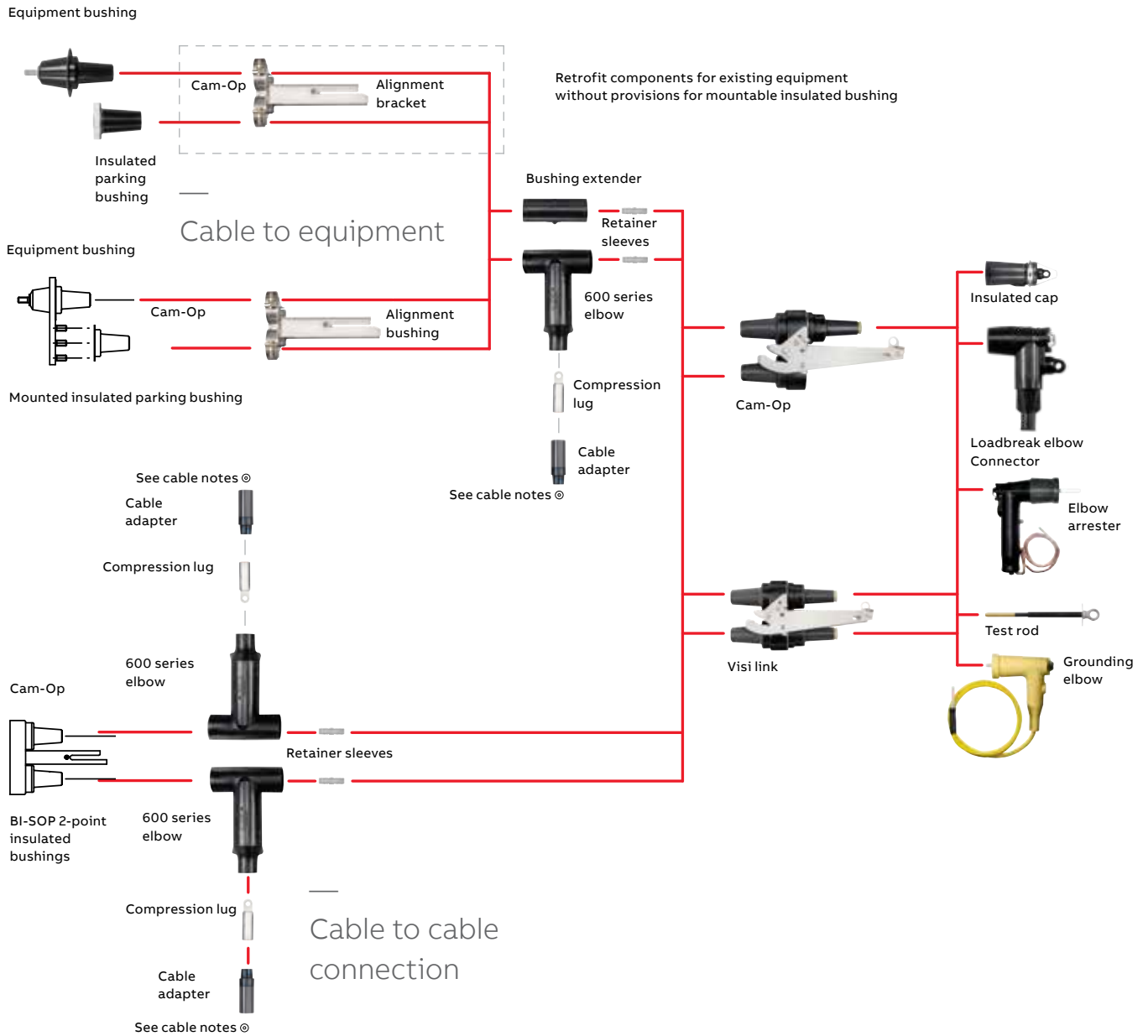
- 15.2 kV phase-to-ground
- 26.3 kV phase-to-phase
- 125 kV BIL
- 40 kV AC withstand
- 78 kV DC withstand
- 19 kV corona extinction

###### 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
















# Cam-Op system – 600 series deadbreak



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#### 600 series Cam-Op system

Image (not to scale)	Description	Voltage class (kV)	Cat. no.	Notes
	Cam-Op connector kit	15	655LINK-C-LR-WOX-B-DRG Use tables W7 and X6	N1, 2, 8, 10, 11, 12
		25	K655LINK-C-LR-WOX-B-DRG Use tables W7 and X6	N1, 2, 8, 10, 11, 12
		35	755LINK-C-LR-WOX-B-DRG Use tables W9 and X6	N1, 2, 8, 10, 11, 12
	Mountable insulated bushing	25	K650LBM-3	N2
		35	750LBM-3	N2
	Retrofit Cam-Op connector kit	15	655LINK-C-LR-WOX-A-DRG Use tables W7 and X6	N4, 8, 10, 11, 12
		25	K655LINK-C-LR-WOX-A-DRG Use tables W7 and X6	N4, 8, 10, 11, 12
		35	755LINK-C-LR-WOX-A-DRG Use tables W9 and X6	N4, 8, 10, 11, 12
	Insulating plug	25	K650LB	N3
		35	750LB	N3
	Cam-Op alignment bracket	15	650CAB	–
		25	K650CAB	–
		35	750CAB	–
	Compression lug	All	03700X Use table X6	N5
			03702X Use table X6	N6
			04601X	–
	Cam-Op size sensitive kit (cable adapter and lug)	15/25	655CK-WOX Use tables W7 and X6	N10
		35	755CK-WOX Use tables W9 and X6	N10
	Cam-Op retaining sleeve	All	650RSC	N8
	Cam-Op cable joint kit	15	655BI-LINK-C-LR-WOX-DRG Use tables W7 and X6	N7, 8, 10, 11, 12
		25	K655BI-LINK-C-LR-WOX-DRG Use tables W7 and X6	N7, 8, 10, 11, 12
		35	755BI-LINK-C-LR-WOX-DRG Use tables W9 and X6	N7, 8, 10, 11, 12
	Cam-Op loadbreak reducing tap plugs (visi-break)	15	650LK-C-VB	–
		25	K650LK-C-VB	–
		35	750LK-C-VB	–
	Cam-Op link	15	650LK-C	–
		25	K650LK-C	–
		35	750LK-C	–
	Grounding elbow (1/0 AWG x 6' ground lead)	15	160GLR	–
		25	370GLR	N 13
		35	370GLR	N 13
	Test rod	All	370TR	–

**N1.** Cam-Op connector kit includes: (1) Cam-Op link; (1) elbow housing; (1) cable adapter; (1) 0370 style lug; (1) bushing extender; (2) retainer sleeves; (1) insulated cap; (1) mountable insulated bushing and (1) alignment bracket.

**N2.** Mountable insulated bushing included with Cam-Op connector kit. Requires three threaded studs on equipment faceplate for installation.

**N3.** Use with the retrofit Cam-Op connector kit.

**N4.** Retrofit Cam-Op connector kit includes: (1) link; (1) elbow housing; (1) cable adapter; (1) 0370 style lug; (1) bushing extender; (2) retainer sleeves; (1) insulated cap; (1) insulating plug; and (1) alignment bracket.

**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 03602X threaded lug.

**N7.** Cam-Op cable joint kit includes: (1) Cam-Op link; (1) Cam-Op BI-SOP; (2) elbow housings; (2) cable adapters; (2) 0370 style lugs; (2) retainer sleeves; (1) insulated cap.

**N8.** 600ATM is recommended for installing Cam-Op retaining sleeves.

**N9.** For 900-amp 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-amp rating requires copper current-carrying connector components and copper conductor cable.

**N10.** Add suffix symbol from page A17 to include cable shield grounding kit and/or cable jacket sealing kit.

**N11.** To add elbows or arresters instead of insulating caps, replace the "DRG" with "LR-WX" for elbows (with test point) or "ESA" for elbow arresters.

**N12.** 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.

**N13.** Rated for both 25 kV and 35 kV applications.

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.