LOADBREAK ELBOW

LOADBREAK PROBE
Tin plated copper probe mates with contacts in the bushing. Inner end has a pilot to prevent stripping when threading into the compression lug.

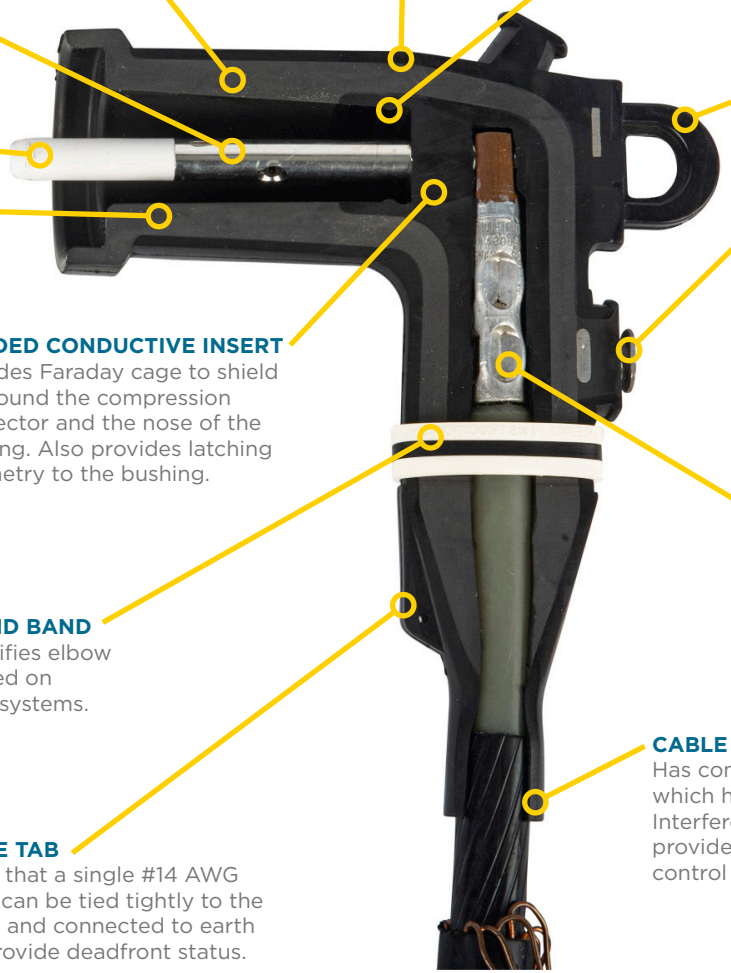
ARC FOLLOWER
Made of ablative material that produces de-ionizing gas to quench the arc during switching operations.

OPERATING INTERFACE
Interference-fit when installed on mating component designed to IEEE Std 386™. Provides proper tracking distance and water-tight submersible fit, yet permits unplugging of elbow after years of service.

EPDM INSULATION
Rubber cured with peroxide process provides superior dielectric characteristics.

MOLDED EXTERNAL SHIELD
UV and abrasion resistant 1/8 - inch thick shield of peroxide cured conductive EPDM. Can include a colored cuff that identifies the voltage class. IEEE Std 386™ recommends: red for 15kV, blue for 28kV, gold for 35kV small interface, and purple for 35kV large interface.

LOCKING RING
Provides positive latching to mating groove of bushing. The initial pull-off force required to unseat elbow provides momentum necessary for reliable loadbreak switching.



OPERATING EYE
One piece stainless steel ring overmolded with rubber. Allows for reliable energized loadmake-loadbreak operation with an appropriate live-line tool.

TEST POINT
Confirms energized status. No capacitive test point can confirm de-energized status. Elbows are available with or without this feature. Suitable location for fault indicator.

MOLDED CONDUCTIVE INSERT
Provides Faraday cage to shield air around the compression connector and the nose of the bushing. Also provides latching geometry to the bushing.

COMPRESSION LUG
Meets requirements of ANSI C119.4. Crimps onto aluminum or copper conductors. Friction welded copper end is threaded to enable robust loadbreak probe connection.

THREE-PHASE LOADBREAK ID BAND
White-black-white band identifies elbow as three phase rated to be used on single phase and three phase systems.

CABLE ENTRANCE INTERFACE
Has conductive rubber stress relief area which hugs the cable insulation shield. Interference fit along cable insulation surface provides water-tight submersible fit to control electrical stress.

DRAIN WIRE TAB
Designed so that a single #14 AWG copper wire can be tied tightly to the elbow shield and connected to earth ground to provide deadfront status.