



# 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.

## 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.

## 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.

