

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.

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.

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.

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.