

35kV Deadbreak Elbow Extension Adapter

Product Data Sheet

The Richards 35kV Deadbreak Elbow Extension Adapter provides a robust solution for extension of medium voltage power cable. Applications include extending a connection to reach new equipment (e.g. live front to dead front conversion) and replacing damaged cable/accessories.

The Adapter is a specialized bus which is designed to interface with a 35kV Deadbreak Elbow housing on one side, and a 35kV Disconnectable Joint Sleeve on the other. Richards JSCS Cold Shrink or traditional Richards Disconnectable Joint Sleeves can be utilized.

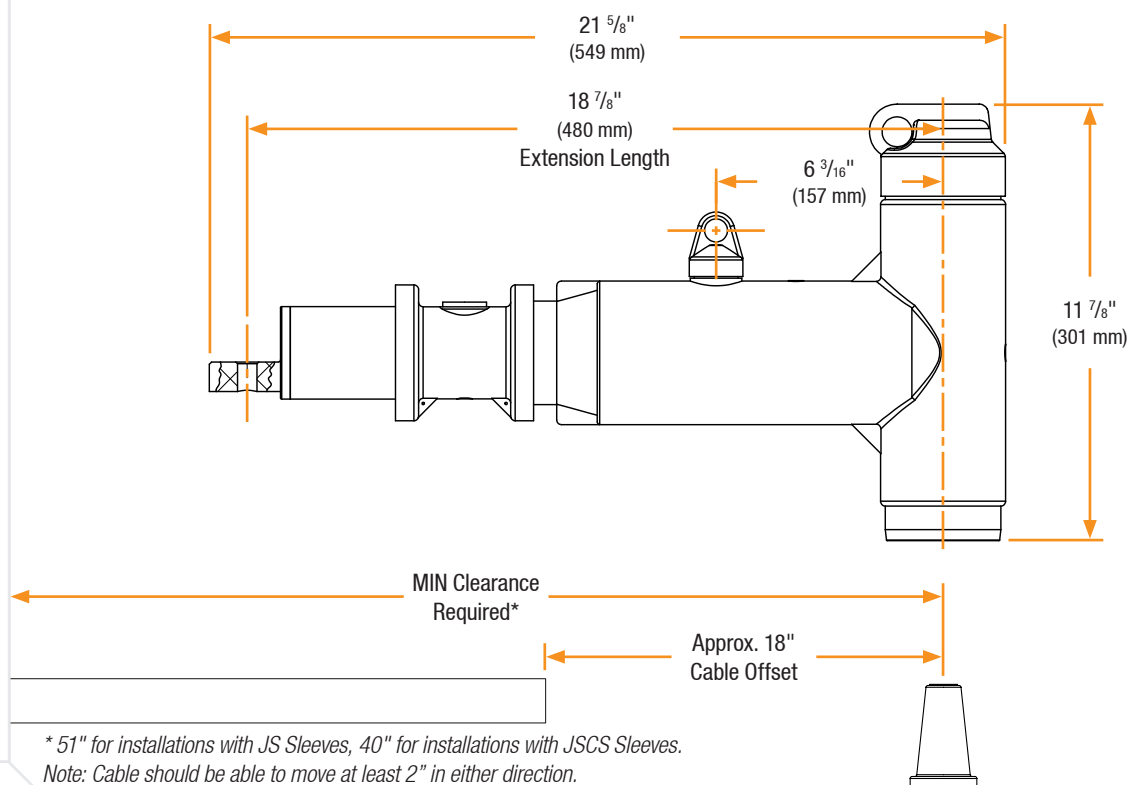
The Deadbreak Elbow housing mates with the equipment connection (switchgear/transformer bushing, deadbreak junction, etc.) and the Disconnectable Joint Sleeve provides an in-line transition to the power cable.



Features

- Injection Molded and Peroxide Cured
- Aluminum contact overmolded with EPDM rubber
- Extension length facilitates repair and equipment replacements/ upgrades
- Molded top interface designed to mate with 35kV Deadbreak Elbow housing
- Bottom Disconnectable Joint interface allows for in-line connection
- Factory-installed Lug

Basic Dimensions



35kV Deadbreak Elbow Extension Adapter

Installation

35kV Deadbreak Elbow Extension Adapter installation is covered by: **II-35DE-JS** for JS Sleeves and **II-35DE-JSCS** for JSCS Sleeves

Related Products

P635HIP-STUD

35kV Aluminum Threaded Stud

P935HIP-STUD

35kV Copper Threaded Stud

JS SERIES

35kV Disconnectable Joint Sleeve

JSCS SERIES

35kV Cold Shrink Sleeve - all sizes

P635HIP

35kV Aluminum Insulating Plug

P935HIP

35kV Copper Insulating Plug

P635CPR

35kV Connecting Plug

P935CPR

35kV Connecting Plug

Applications



Outdoor



Vaults



Enclosures



Direct Bury



Submersible

Production Testing

IEEE requires a Partial Discharge test and choice between AC withstand and Impulse.

Richards runs 3/3 tests on **all** Medium Voltage products governed by IEEE 386.®

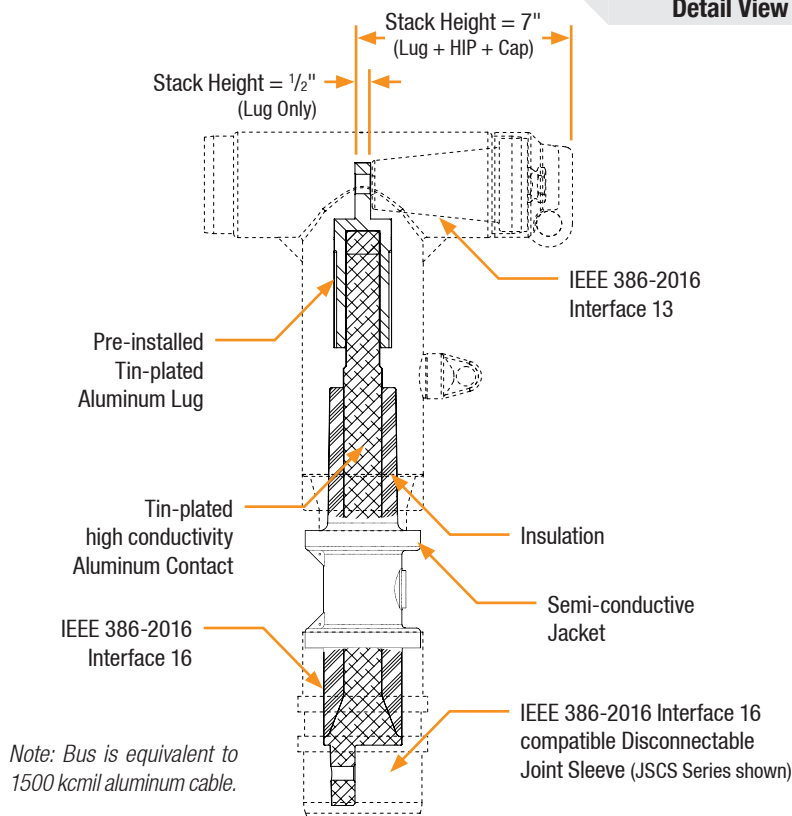
100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

Richards Deadbreak Elbow Extension Adapters are designed to allow for production testing at 200kV BIL. For more information see our 200kV BIL Product Data Sheets or contact the factory.

® Exceeds IEEE 386 requirement

Detail View



Product Ratings

Voltage Ratings

Maximum Voltage Rating – (phase to ground)	21.1kV
Corona Voltage Level – (partial discharge extinction voltage)	26kV
AC Withstand – (1 minute)	50kV
Impulse-Withstand Voltage – (BIL)	162kV BIL [®]

Continuous Current Ratings

Aluminum	600A
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Short-Time Current Ratings

Aluminum	25kA, 10c. and 10kA, 3s.
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The 35kV Deadbreak Elbow Extension Adapter is qualified to the following industry standards:

- IEEE Std 386: For Separable Insulated Connector Systems
- ANSI C119.4: For Electric Connectors
- IEEE Std 592: For Exposed Semiconducting Shields