

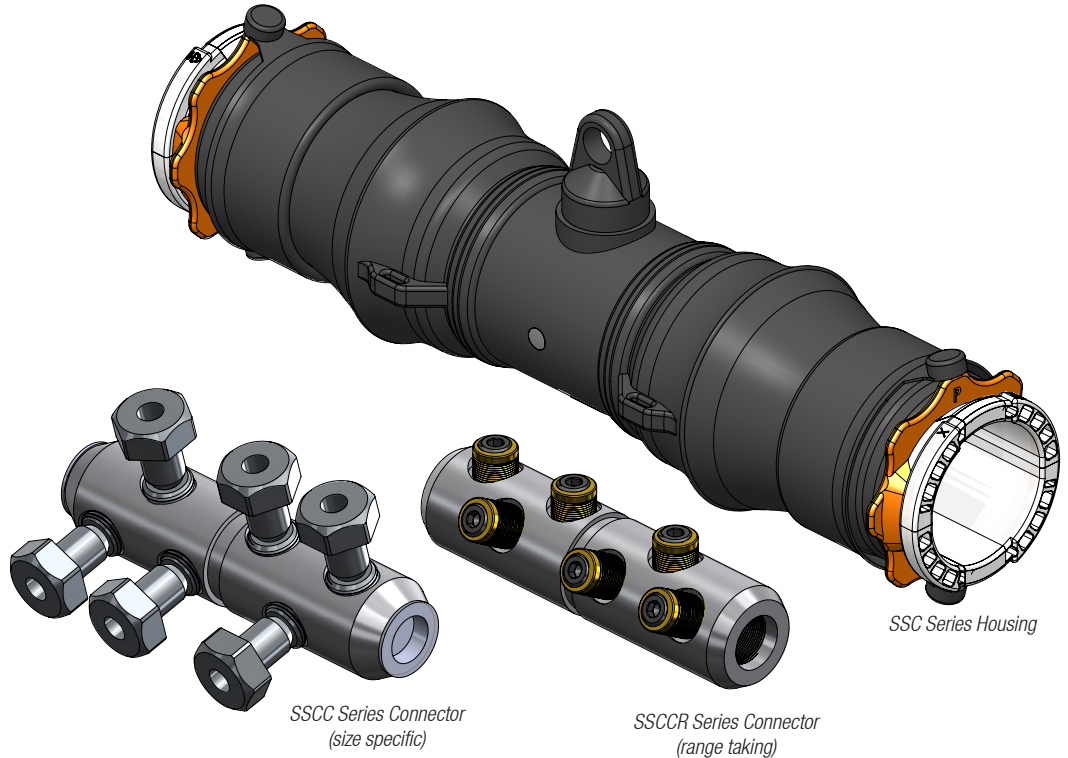
35kV SSC Series | Cold Shrink Splice

Product Data Sheet

The SSC Series from Richards Manufacturing is a cold shrink splicing system for use on medium voltage power cables. Equipped with numerous advantages and features, the SSC Series is an innovative, high-performance splicing solution.

The Splice is a hybrid design, incorporating the best features of cold shrink and push-on technologies. For example, our Splice provides the benefits of cold shrink—integral jacket seals, range taking capabilities—and yet it also can be furnished with a capacitive test point.

Molded entirely from Richards' cold shrink EPDM materials, the Splice housing is built for durability in the toughest environments. Two connector designs are available for use. The housing and connector form a robust system, designed and qualified together to ensure excellent performance.



SSC Series Housing

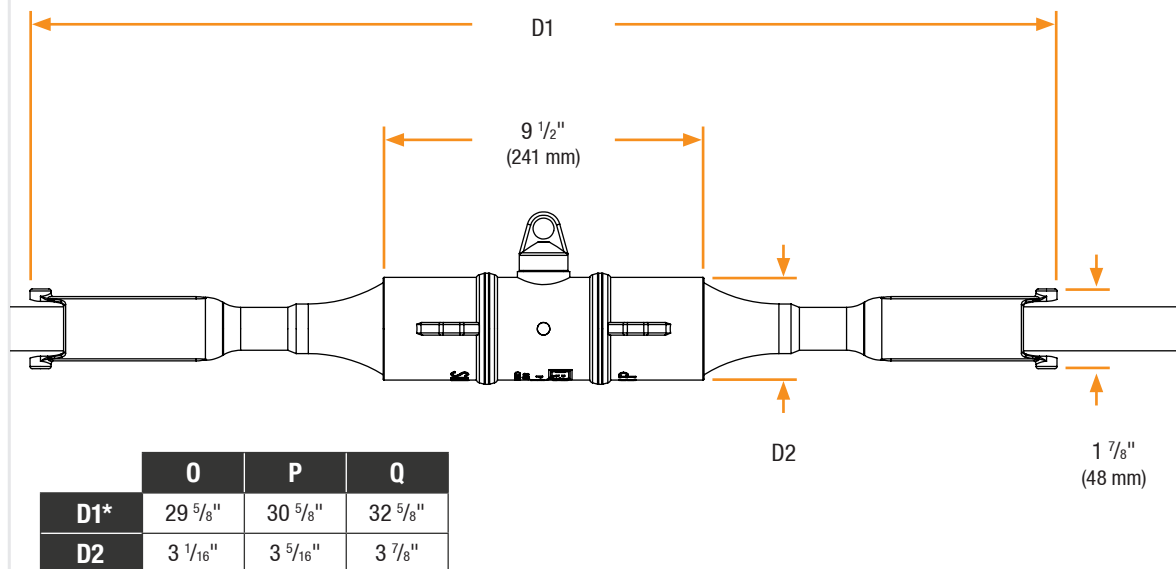
SSCC Series Connector
(size specific)

SSCCR Series Connector
(range taking)

Features

- Injection Molded Cold Shrink EPDM
- Designed, Molded, and Tested in the USA
- Fully-Shielded with rugged molded/bonded semi-con jacket
- Submersible
- Optional Capacitive Test Point
- Short, easy-to-remove cores
- Automatic centering feature
- Connector and Housing developed and qualified as a reliable/robust system

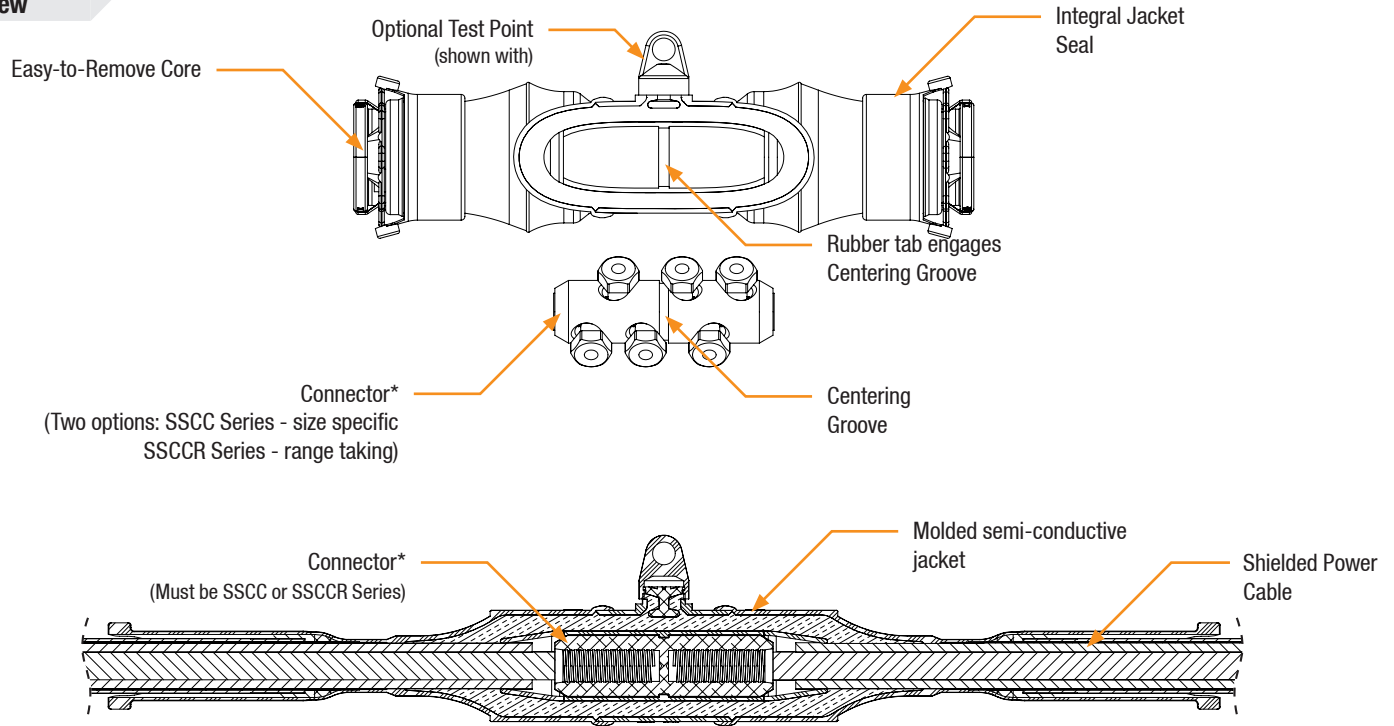
Basic Dimensions



48" required for installation (24" each side).
* Approximate length - varies by cable size.

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Detail View



* SSC Series must be installed with SSCC Series Connector (size specific or range taking.)

Installation

35kV Cold Shrink Splice installation is covered by: **RP-II-93SSC**

Applicable Splice/Body Connector Sizes

O	P	Q
Minimum Insulation Diameter = 0.725"	Minimum Insulation Diameter = 0.990"	Minimum Insulation Diameter = 1.268"

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 404. [®]

100% Routine Electrical Test:

- Partial Discharge
- AC Withstand
- Impulse Withstand

[®] Exceeds IEEE 404 requirement

Product Ratings

Voltage Ratings	
Voltage Rating – (phase to phase)	35kV
Corona Voltage Level – (partial discharge extinction voltage)	30kV
AC Withstand – (1 minute)	69kV
Impulse-Withstand Voltage – (BIL)*	200kV

* Qualified to 200kV BIL impulse-withstand. Production tested to 165kV BIL. Production testing to 200kV BIL available upon request.

Current Ratings	
Continuous Current	Cable Rated
Short-Time Current*	

* Maximum 40kA for 10 cycles per IEEE Std.. 404

The 35kV Cold Shrink Splice is qualified to the following industry standards:

- IEEE Std. 404: For Extruded and Laminated Dielectric Shielded Cable Joints
- IEEE Std. 592: For Semiconducting Shields