Richards MANUFACTURING CO.

62SSC
92SSC

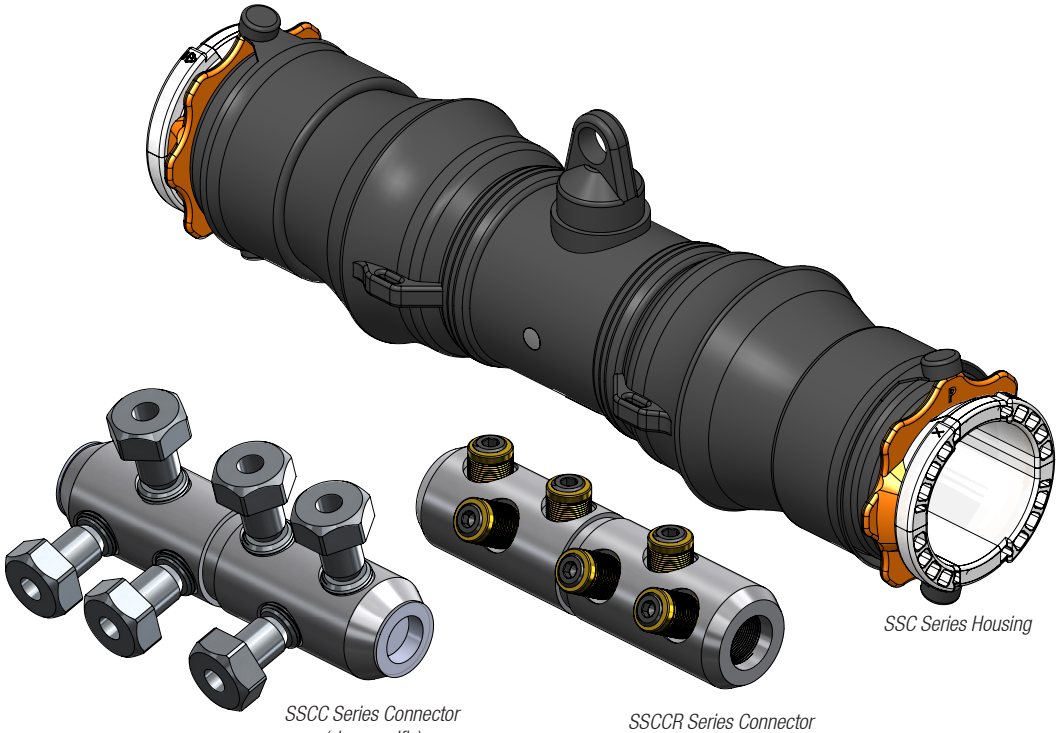
15/25/28kV SSC Series | Cold Shrink Splice

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

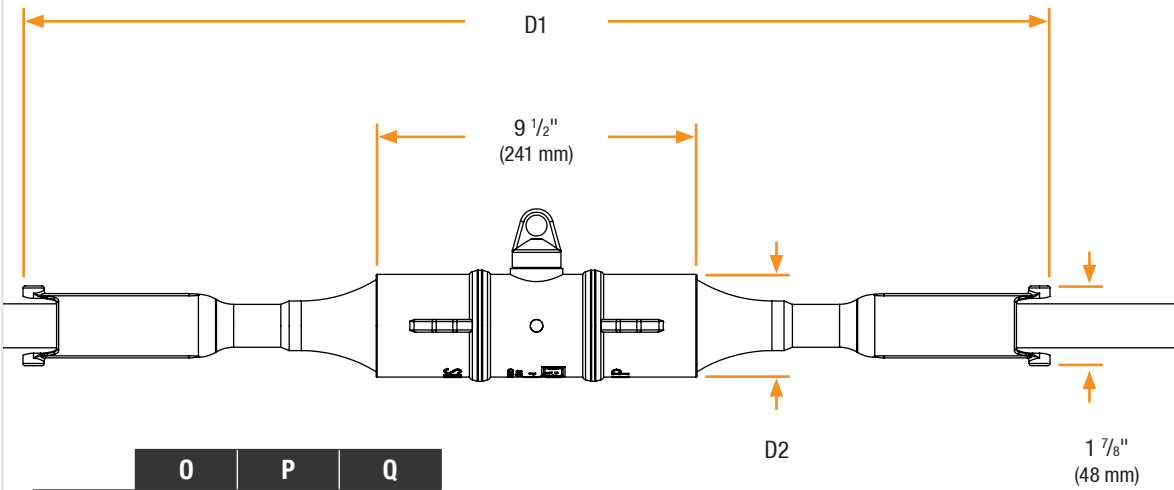
SSCC Series Connector (size specific)

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



	O	P	Q
D1*	29 5/8"	30 5/8"	32 5/8"
D2	3 1/16"	3 5/16"	3 7/8"

48" required for installation (24" each side).

* *Approximate length - varies by cable size.*

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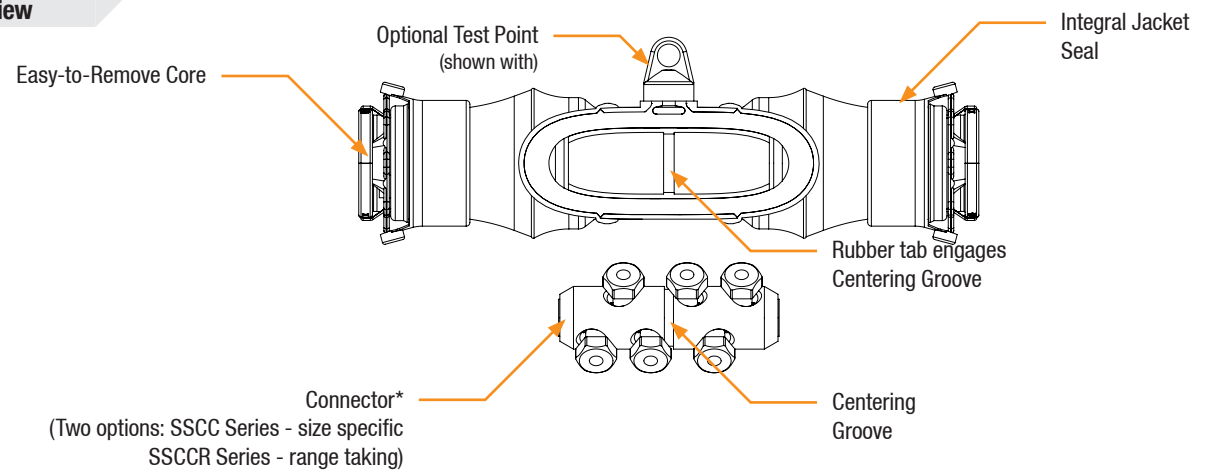
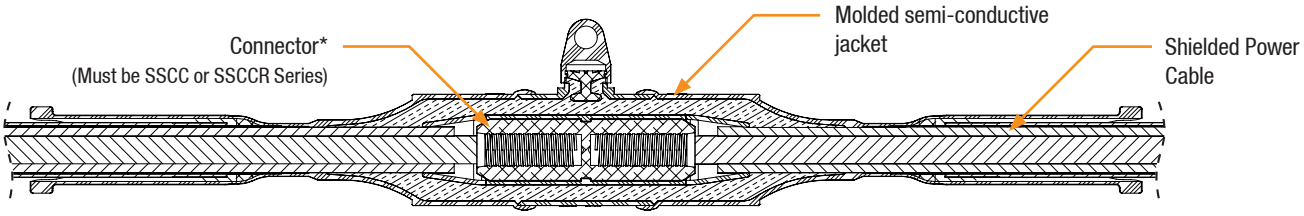
Detail View





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

Installation

15/25/28kV 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)	28kV
Corona Voltage Level – (partial discharge extinction voltage)	25kV
AC Withstand – (1 minute)	57kV
Impulse-Withstand Voltage – (BIL)	165kV

® *Production test levels, determined by linear interpolation per IEEE 404, meet 28kV requirements. In addition, all three tests **exceed** 25kV voltage class requirements.*

Current Ratings	
Continuous Current	Cable Rated
Short-Time Current*	

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

The 15/25/28kV 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