

## Bridge Riser Cable

HDPE jacket / multiconductor / 22 AWG to 1000 KCMIL / rubber insulation  
600 and 2000 volt



### Applications

These are multi-conductor 600 and 2000 volt cables designed for unsupported aerial usage between structures and meet all requirements for use on bascule, lift and swing-bridges as well as direct burial. They are produced to meet specific combination of power, control and signal circuits (including fiber optic components) of up to 125 conductors and up to 5 inches (12.7 cm) in diameter. Empty conduit may also be cabled in as an integral part of the cable.

These cables have evolved over our long relationship with a wide variety of end-users and specifiers, including local Departments Of Transportation (DOTs), architects, engineers and contractors. They are designed to perform flawlessly under the harshest of conditions.

The features listed below are standard items; they may be modified per your request and need. All of these cables are designed to meet specific application requirements. Please contact Draka for details.

### Specifications and Ratings

- ICEA S-73-532, NEMA WC-57
- ICEA S-95-658, NEMA WC-70
- Draka Specifying Standard SC-05

### Design Parameters

**CONDUCTOR:** Annealed uncoated copper in accordance with ASTM B-172/174 for 10 AWG and smaller or ASTM B-172 for 9 AWG or larger, class K stranding, and section 2 of ICEA S-95-658. Optical fibers are available..

**INSULATION:** Ethylene propylene rubber (EPR) meeting the Type II requirements of ICEA S-73-532, NEMA WC-57 Table 3-2 (22 to 16 AWG), 600 volt or ICEA S-95-658, NEMA WC-70, Table 3-1 (14 AWG or larger, 600 to 2000 volt).

**CIRCUIT IDENTIFICATION:** Surface printed legend with number/color: (1-BLACK, 2-WHITE, 3-RED, etc.) per ICEA S-73-532, NEMA WC-57-1990, Method 3 and Table E-1.

**ASSEMBLY:** Cable components are cabled together with non-hygroscopic fillers as required by the application. The cabled core is wrapped with a moisture-resistant binder tape. Maximum lay length shall be 12x O.D..

**INNER JACKET:** Arctic, heavy duty and UV-resistant Neoprene® polychloroprene rubber per ICEA S-95-658, NEMA WC-70.

**CABLE JACKET REINFORCEMENT:** Two layers of Kevlar® aramid fibers applied helically in reverse directions under the jacket.

**OUTER JACKET:** Arctic, heavy duty and UV-resistant Neoprene® polychloroprene rubber per ICEA S-95-658, NEMA WC-70. Total jacket thickness is shown in table on back.

**IDENTIFICATION:** As requested.

### Prysmian Group

700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507 | [www.prysmiangroup.com](http://www.prysmiangroup.com)

### Sales and Distribution:

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444 | [www.drakausa.com](http://www.drakausa.com)  
One Tamaqua Blvd. | Schuylkill Haven PA 17972 | Tel +1-570-385-4381

# Bridge Riser Cable

HDPE jacket / multiconductor / 22 AWG to 1000 KCMIL / rubber insulation / 600 and 2000 volt

Calculated Cable Diameter Under Jacket in (mm)	Outer Jacket Thickness in (mm)
up to .425 (10.8)	.045 (1.1)
up to .700 (17.8)	.060 (1.5)
up to 1.50 (38.1)	.080 (2.0)
up to 2.50 (63.5)	.110 (2.8)
up to 5.00 (127)	.140 (3.6)

Information is subject to change without notice.

Bridge riser cables are custom manufactured to meet your specific application.

Call Draka with your requirements for a quotation.

© DRAKA - A Brand of The Prysmian Group. 2013 All Rights Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless authorized by Prysmian Group. Issued February 2013.

## **Prysmian Group**

700 Industrial Drive | Lexington, SC 29072 | +1-800-845-8507 | [www.prysmiangroup.com](http://www.prysmiangroup.com)

## **Sales and Distribution:**

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444 | [www.drakausa.com](http://www.drakausa.com)  
One Tamaqua Blvd. | Schuylkill Haven PA 17972 | Tel +1-570-385-4381