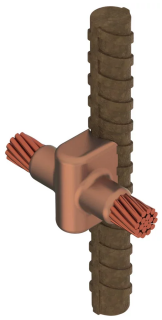
nVent
DATA-SOLUTIONS

# CABLE TO REBAR, RC, 10 MM, #3, 10M, 4/0 CONCENTRIC, WEAR PLATES

## CATALOG NUMBER

**RCE512QW**



nVent ERICO Cadweld graphite molds are designed and engineered for thousands of connection styles and conductor combinations.

## FEATURES

- Forms a permanent, low resistance connection
- Provides a molecular bond
- nVent ERICO Cadweld Exothermic Connections are rated with the same current capacity as the conductor
- Portable installation equipment with no external source of power required
- Installers can be easily trained to make nVent ERICO Cadweld Exothermic Connections
- Connections can be visually inspected

## PRODUCT ATTRIBUTES

- Mold Family: RC Mold Family
- Rebar Size, Metric: 10mm
- Rebar Size, US: #3
- Rebar Size, Canada: 10M
- Conductor Size: 4/0 Concentric
- Conductor Outer Diameter, Nominal: 13.41mm
- Mold Split: Vertical and Horizontal
- Split Crucible: No
- Wear Plates: Yes
- Number of Wear Plate Sets: 2
- Mold Only: No

Welding Material: 150 or 150PLUSF20, Sold Separately

Handle Clamp: L160, Sold Separately

Shim: B140A, Sold Separately

Price Key: E

Ease of Use: Preferred

## ADDITIONAL PRODUCT DETAILS

For applications such as computer room, tunnel or other low-ventilation areas, specify a smokeless nVent ERICO Cadweld Exolon mold. Add an XL prefix to the standard mold part number when ordering (for example, a TAC2Q2Q becomes XLTAC2Q2Q). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, 150 becomes XL150).

A gap between conductors may be required. See mold tag for more information.

Rebar material characteristics and location of weld must be considered when selecting connections to rebar.

| **XX-X-XX-XX-L-M-W** | | |
|---|---|---|
| XX | Mold Family | |
| X | Price Key | |
| XX | Rebar Code | |
| XX | Conductor Code | |
| L* | Split Crucible | Crucible section is split on molds designed with horizontal opening for easier cleaning |
| M* | Mold Only | |
| W* | Wear Plates | Reduce mechanical abrasion of molds at cable entry points |

* Empty if none

## DIAGRAMS

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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nVent reserves the right to change specifications without notice.