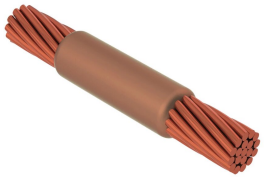
# Cable to Cable, Cathodic



nVent ERICO Cadweld Cathodic Connections are the preferred method of exothermically welding cathodic protection anode leads to pipes (steel or cast iron), tanks, and other structures. Cathodic protection systems are designed to prevent galvanic corrosion along a pipeline or in various structures. nVent ERICO Cadweld Cathodic Connections use a special welding material alloy to minimize heat effect on the steel, which is especially important on thin wall and high stress pipes.

## DIAGRAMS

## 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

## SPECIFICATIONS

Table 1/2

| Catalog Number | Mold Family | Conductor 1 | Conductor 1 Outer Diameter, Nominal | Conductor 2 | Conductor 2 Outer Diameter, Nominal |
|---|---|---|---|---|---|
| CASST1A | SS | #10 Solid | 2.59mm | #10 Solid | 2.59mm |
| CAPCT1H1D | PC | #6 Concentric | 4.67mm | #8 Solid | 3.25mm |
| CASST1D | SS | #8 Solid | 3.25mm | #8 Solid | 3.25mm |
| CAPCT1V1E | PC | #2 Concentric | 7.42mm | #8 Concentric | 3.71mm |

| Catalog Number | Mold Family | Conductor 1 | Conductor 1 Outer Diameter, Nominal | Conductor 2 | Conductor 2 Outer Diameter, Nominal |
|---|---|---|---|---|---|
| CAPCT1H1E | PC | #6 Concentric | 4.67mm | #8 Concentric | 3.71mm |
| CASST1E | SS | #8 Concentric | 3.71mm | #8 Concentric | 3.71mm |
| CAPCT1L1E | PC | #4 Concentric | 5.89mm | #8 Concentric | 3.71mm |
| CASST1G | SS | #6 Solid | 4.11mm | #6 Solid | 4.11mm |
| CAPCT1G1G | PT | #6 Solid | 4.11mm | #6 Solid | 4.11mm |
| CAPCP2G1G | PC | 2/0 Concentric | 10.62mm | #6 Solid | 4.11mm |
| CAPCT1V1G | PC | #2 Concentric | 7.42mm | #6 Solid | 4.11mm |
| CAPCT1L1H | PC | #4 Concentric | 5.89mm | #6 Concentric | 4.67mm |
| CAPCP2C1H | PC | 1/0 Concentric | 9.47mm | #6 Concentric | 4.67mm |
| CAPCT1V1H | PC | #2 Concentric | 7.42mm | #6 Concentric | 4.67mm |
| CAPCT1H1H | PC | #6 Concentric | 4.67mm | #6 Concentric | 4.67mm |
| CASST1H | SS | #6 Concentric | 4.67mm | #6 Concentric | 4.67mm |
| CASST1K | SS | #4 Solid | 5.18mm | #4 Solid | 5.18mm |
| CASST1L | SS | #4 Concentric | 5.89mm | #4 Concentric | 5.89mm |
| CATAN2C1L | TA | 1/0 Concentric | 9.47mm | #4 Concentric | 5.89mm |
| CATAN1V1L | TA | #2 Concentric | 7.42mm | #4 Concentric | 5.89mm |

Table 2/2

| Catalog Number | Mold Family | Conductor 1 | Conductor 1 Outer Diameter, Nominal | Conductor 2 | Conductor 2 Outer Diameter, Nominal |
|---|---|---|---|---|---|
| CAPCT1L1LM | PC | #4 Concentric | 5.89mm | #4 Concentric | 5.89mm |
| CAPCP2C1L | PC | 1/0 Concentric | 9.47mm | #4 Concentric | 5.89mm |
| CAPCT1L1L | PC | #4 Concentric | 5.89mm | #4 Concentric | 5.89mm |
| CATAN2G1L | TA | 2/0 Concentric | 10.62mm | #4 Concentric | 5.89mm |
| CASST1V | SS | #2 Concentric | 7.42mm | #2 Concentric | 7.42mm |
| CATAN1V1V | TA | #2 Concentric | 7.42mm | #2 Concentric | 7.42mm |
| CATAN1Y1V | TA | #1 Concentric | 8.43mm | #2 Concentric | 7.42mm |
| CAPCP2C1V | PC | 1/0 Concentric | 9.47mm | #2 Concentric | 7.42mm |
| CATAN2C1V | TA | 1/0 Concentric | 9.47mm | #2 Concentric | 7.42mm |
| CAPCP1V1V | PC | #2 Concentric | 7.42mm | #2 Concentric | 7.42mm |
| CATAN2G1V | TA | 2/0 Concentric | 10.62mm | #2 Concentric | 7.42mm |
| CAPCN2G1V | PC | 2/0 Concentric | 10.62mm | #2 Concentric | 7.42mm |
| CASST1Y | SS | #1 Concentric | 8.43mm | #1 Concentric | 8.43mm |
| CATAN2C1Y | TA | 1/0 Concentric | 9.47mm | #1 Concentric | 8.43mm |
| CATAN2C1YM | TA | 1/0 Concentric | 9.47mm | #1 Concentric | 8.43mm |

| Catalog Number | Mold Family | Conductor 1 | Conductor 1 Outer Diameter, Nominal | Conductor 2 | Conductor 2 Outer Diameter, Nominal |
|---|---|---|---|---|---|
| CASSP2C | SS | 1/0 Concentric | 9.47mm | 1/0 Concentric | 9.47mm |
| CATAN2C2C | TA | 1/0 Concentric | 9.47mm | 1/0 Concentric | 9.47mm |
| CATAN2G2G | TA | 2/0 Concentric | 10.62mm | 2/0 Concentric | 10.62mm |
| CASSP2G | SS | 2/0 Concentric | 10.62mm | 2/0 Concentric | 10.62mm |

## 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.

Use XF19 or PLUSXF19 welding material on connections to ductile iron.

| CA-XX-X-XX-XX-L-M-W | | |
|---|---|---|
| CA | Cathodic Designation | |
| XX | Mold Family | |
| X | Price Key | |
| XX | Conductor Code 1 | |
| XX | Conductor Code 2 | |
| 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

## 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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