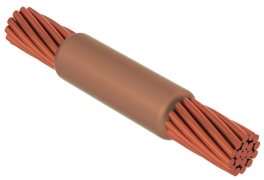
Cable to Cable, Cathodic



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.

North America
+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical Support

Europe
Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe
Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC
Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500

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