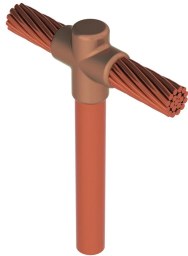


Cable to Ground Rod or Other Rounds, Cathodic



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 1/1

Catalog Number	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor Outer Diameter, Nominal
CAGRT161G	GR	Copper-bonded	5/8"	14.3 mm	#6 Solid	4.11mm
CAGRT181G	GR	Copper-bonded	3/4"	17.32 mm	#6 Solid	4.11mm

Catalog Number	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor Outer Diameter, Nominal
CAGTP161G	GT	Copper-bonded	5/8"	14.3 mm	#6 Solid	4.11mm
CAGRT161H	GR	Copper-bonded	5/8"	14.3 mm	#6 Concentric	4.67mm
CAGRT181H	GR	Copper-bonded	3/4"	17.32 mm	#6 Concentric	4.67mm
CAGTP161H	GT	Copper-bonded	5/8"	14.3 mm	#6 Concentric	4.67mm
CAGTP181H	GT	Copper-bonded	3/4"	17.32 mm	#6 Concentric	4.67mm
CAGRP181K	GR	Copper-bonded	3/4"	17.32 mm	#4 Solid	5.18mm
CAGRT161K	GR	Copper-bonded	5/8"	14.3 mm	#4 Solid	5.18mm
CAGTP161K	GT	Copper-bonded	5/8"	14.3 mm	#4 Solid	5.18mm
CAGTP161L	GT	Copper-bonded	5/8"	14.3 mm	#4 Concentric	5.89mm
CAGTP181L	GT	Copper-bonded	3/4"	17.32 mm	#4 Concentric	5.89mm
CAGRP161T	GR	Copper-bonded	5/8"	14.3 mm	#2 Solid	6.53mm
CAGFP14C1V	GF	Steel	1/2"	12.83 mm	#2 Concentric	7.42mm
CAGRP141V	GR	Steel	1/2"	12.83 mm	#2 Concentric	7.42mm
CAGRP161V	GR	Copper-bonded	5/8"	14.3 mm	#2 Concentric	7.42mm
CAGRP181V	GR	Copper-bonded	3/4"	17.32 mm	#2 Concentric	7.42mm
CAGTP161V	GT	Copper-bonded	5/8"	14.3 mm	#2 Concentric	7.42mm
CAGTP181V	GT	Copper-bonded	3/4"	17.32 mm	#2 Concentric	7.42mm
CAGRP162C	GR	Copper-bonded	5/8"	14.3 mm	1/0 Concentric	9.47mm

CatalogNumber	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor OuterDiameter, Nominal
CAGRP182C	GR	Copper-bonded	3/4"	17.32 mm	1/0 Concentric	9.47mm
CAGRP162G	GR	Copper-bonded	5/8"	14.3 mm	2/0 Concentric	10.62mm
CAGRP162GM	GR	Copper-bonded	5/8"	14.3 mm	2/0 Concentric	10.62mm
CAGRP182G	GR	Copper-bonded	3/4"	17.32 mm	2/0 Concentric	10.62mm
CAGTN162GM	GT	Copper-bonded	5/8"	14.3 mm	2/0 Concentric	10.62mm
CAGTN182G	GT	Copper-bonded	3/4"	17.32 mm	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	Ground Rod 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

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

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