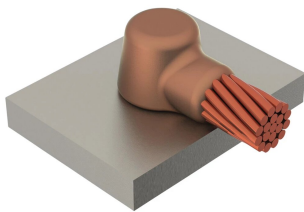


Cable to Metal Surface, Cathodic

Data Solutions



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.

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 1/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHAA1B		HA Mold Family	Steel Pipe or Flat Surface	#10 Concentric	2.95mm	609.6mm min
CAHAAA7		HA Mold Family	Steel Pipe or Flat Surface	6 mm ² Concentric	3.19mm	609.6mm min
CAVNT1ELH16		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	406.4mm
CAVNT1ERH16		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	406.4mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVNP1ERH16		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	406.4mm
CAVNP1ERH12		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	323.9mm
CAVNP1ELH16		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	406.4mm
CAVNP1ELH12		VN Mold Family	Steel Pipe	#8 Concentric	3.71mm	323.9mm
CAHBA1G12		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	335.3mm
CAHCA1GB		HC Mold Family	Steel Pipe	#6 Solid	4.11mm	73 – 141.3mm
CAVST1G		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	219.1mm
CAVST1GA		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	26.7 – 101.6mm
CAVST1GAM		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	26.7 – 101.6mm
CAHBA1G6		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	175mm
CAHBA1G		HB Mold Family	Cast Iron Pipe or Flat Surface	#6 Solid	4.11mm	655.3mm min
CAVST1GB		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	114.3 – 273mm
CAHBA1G4		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	122mm
CAHBA1G3		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	100.6mm
CAVSTW2A		VS Mold Family	Steel Pipe	10 mm ² Concentric	4.11mm	26.7 – 101.6mm
CAHEA1G12		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	335.3mm

Table 2/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHCA1GC		HC Mold Family	Steel Pipe	#6 Solid	4.11mm	158.75 – 273.1mm
CAHBA1G10		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	281.9mm
CAVST1GBM		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	114.3 – 273mm
CAHEA1G8		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	230mm
CAHBA1G16		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	442mm
CAVST1GM		VS Mold Family	Steel Pipe	#6 Solid	4.11mm	219.1mm
CAHEA1G10		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	281.9mm
CAVSTW2		VS Mold Family	Steel Pipe or Flat Surface	10 mm ² Concentric	4.11mm	609.6mm min

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHAA1GM		HA Mold Family	Steel Pipe or Flat Surface	#6 Solid	4.11mm	609.6mm min
CAHBA1G18		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	495.3mm
CAHBA1G20		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	548.6mm
CAHEA1G6		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	175mm
CAHEA1G20		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	548.6mm
CAHBA1G14		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	388.6mm
CAHBA1G24		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	655.3mm
CAHCA1GA		HC Mold Family	Steel Pipe	#6 Solid	4.11mm	26.7 – 60.3mm
CAHEA1G		HE Mold Family	Cast Iron Pipe or Flat Surface	#6 Solid	4.11mm	655.3mm min
CAHCA1G		HC Mold Family	Steel Pipe or Flat Surface	#6 Solid	4.11mm	609.6mm min
CAHEA1G4		HE Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	122mm
CAVFP1G		VF Mold Family	Steel Pipe or Flat Surface	#6 Solid	4.11mm	609.6mm min

Table 3/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVHT1G14		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	388.6mm
CAVHT1G12		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	335.3mm
CAVHT1G10		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	281.9mm
CAVHT1G		VH Mold Family	Cast Iron Pipe or Flat Surface	#6 Solid	4.11mm	655.3mm min
CAVHT1G18		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	495.3mm
CAVHT1G24		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	655.3mm
CAVHT1G4		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	122mm
CAVHT1G6		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	175mm
CAVHT1G8		VH Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	230mm
CAHAAW2		HA Mold Family	Steel Pipe or Flat Surface	10 mm ² Concentric	4.11mm	609.6mm min
CAHAAW2A		HA Mold Family	Steel Pipe	10 mm ² Concentric	4.11mm	26.7 – 101.6mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHAA1GAM		HA Mold Family	Steel Pipe	#6 Solid	4.11mm	26.7 – 101.6mm
CAHBA1G8		HB Mold Family	Cast Iron Pipe	#6 Solid	4.11mm	230mm
CAVSTW2B		VS Mold Family	Steel Pipe	10 mm ² Concentric	4.11mm	114.3 – 273.1mm
CAHBA1H4		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	122mm
CAHBA1H18		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	495.3mm
CAHCA1HC		HC Mold Family	Steel Pipe	#6 Concentric	4.67mm	158.75 – 273.1mm
CAHBA1H20		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	548.6mm
CAHBA1H24		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	655.3mm
CAHBA1H16		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	442mm

Table 4/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHBA1H14		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	388.6mm
CAHBA1H12		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	335.3mm
CAHBA1H10		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	281.9mm
CAHBA1H6		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	175mm
CAHCA1HA		HC Mold Family	Steel Pipe	#6 Concentric	4.67mm	26.7 – 60.3mm
CAHBA1H		HB Mold Family	Cast Iron Pipe or Flat Surface	#6 Concentric	4.67mm	655.3mm min
CAHCA1H		HC Mold Family	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6mm min
CAHBA1H8		HB Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	230mm
CAHEA1H		HE Mold Family	Cast Iron Pipe or Flat Surface	#6 Concentric	4.67mm	655.3mm min
CAHEA1H12		HE Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	335.3mm
CAHAA1HM		HA Mold Family	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6mm min
CAHAA1HAM		HA Mold Family	Steel Pipe	#6 Concentric	4.67mm	26.7 – 101.6mm
CAHAA1HA		HA Mold Family	Steel Pipe	#6 Concentric	4.67mm	26.7 – 101.6mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHAA1H		HA Mold Family	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6mm min
CAVHT1H		VH Mold Family	Cast Iron Pipe or Flat Surface	#6 Concentric	4.67mm	655.3mm min
CAHEA1H6		HE Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	175mm
CAVHT1H12		VH Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	335.3mm
CAVHT1H4		VH Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	122mm
CAVHT1H6		VH Mold Family	Cast Iron Pipe	#6 Concentric	4.67mm	175mm
CAVST1H		VS Mold Family	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6mm min

Table 5/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVST1HA		VS Mold Family	Steel Pipe	#6 Concentric	4.67mm	26.7 – 101.6mm
CAVST1HB		VS Mold Family	Steel Pipe	#6 Concentric	4.67mm	114.3 – 273mm
CAVST1HM		VS Mold Family	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6mm min
CAHAAW3	235815	HA Mold Family	Steel Pipe or Flat Surface	16 mm ² Concentric	5.18mm	609.6mm min
CAHAA1KB		HA Mold Family	Steel Pipe	#4 Solid	5.18mm	114.3 – 141.3mm
CAHAA1KA	240207	HA Mold Family	Steel Pipe or Flat Surface	#4 Solid	5.18mm	609.6mm min
CAHAA1K		HA Mold Family	Steel Pipe or Flat Surface	#4 Solid	5.18mm	609.6mm min
CAVHT1K10		VH Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	281.9mm
CAVFT1K		VF Mold Family	Steel Pipe or Flat Surface	#4 Solid	5.18mm	609.6mm min
CAVST1K		VS Mold Family	Steel Pipe or Flat Surface	#4 Solid	5.18mm	609.6mm min
CAHAAW3A		HA Mold Family	Steel Pipe	16 mm ² Concentric	5.18mm	26.7 – 101.6mm
CAHEA1K24		HE Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	655.3mm
CAVHT1K6		VH Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	175mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVST1KC		VS Mold Family	Steel Pipe	#4 Solid	5.18mm	141.3 – 273.1mm
CAVST1KB		VS Mold Family	Steel Pipe	#4 Solid	5.18mm	60.3 – 114.3mm
CAVST1KA		VS Mold Family	Steel Pipe	#4 Solid	5.18mm	26.7 – 48.26mm
CAHCA1KB		HC Mold Family	Steel Pipe	#4 Solid	5.18mm	73 – 141.3mm
CAHBA1K16		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	442mm
CAHBA1K24		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	655.3mm
CAHBA1K4		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	122mm

Table 6/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHBA1K6		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	175mm
CAHBA1K12		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	335.3mm
CAHBA1K8		HB Mold Family	Cast Iron Pipe	#4 Solid	5.18mm	230mm
CAHBA1K		HB Mold Family	Cast Iron Pipe or Flat Surface	#4 Solid	5.18mm	655.3mm min
CAVSTW3		VS Mold Family	Steel Pipe or Flat Surface	16 mm ² Concentric	5.18mm	609.6mm min
CAVSTW3B		VS Mold Family	Steel Pipe	16 mm ² Concentric	5.18mm	60.3 – 114.3mm
CAVST1LA		VS Mold Family	Steel Pipe	#4 Concentric	5.89mm	26.7 – 48.26mm
CAFCA1L12		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	335.3mm
CAHAA1LB		HA Mold Family	Steel Pipe	#4 Concentric	5.89mm	114.3 – 141.3mm
CAHBA1L24		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	655.3mm
CAVHT1L		VH Mold Family	Cast Iron Pipe or Flat Surface	#4 Concentric	5.89mm	655.3mm min
CAHAA1LAM		HA Mold Family	Steel Pipe	#4 Concentric	5.89mm	26.7 – 101.6mm
CAHAA1LA		HA Mold Family	Steel Pipe	#4 Concentric	5.89mm	26.7 – 101.6mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVST1LB		VS Mold Family	Steel Pipe	#4 Concentric	5.89mm	60.3 – 114.3mm
CAHAA1L	240270	HA Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAFCA1L4		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	122mm
CAHCA1LA		HC Mold Family	Steel Pipe	#4 Concentric	5.89mm	26.7 – 60.3mm
CAFCA1L14		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	388.6mm
CAFCA1L8		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	230mm
CAHBA1L16		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	442mm

Table 7/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHEA1L12		HE Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	335.3mm
CAHBA1L20		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	548.6mm
CAFSA1L		FS Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAHEA1L6		HE Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	175mm
CAVHT1L10		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	281.9mm
CAVST1L		VS Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAHBA1L14		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	388.6mm
CAFCA1L24		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	655.3mm
CAHBA1L8		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	230mm
CAHCA1L		HC Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAHFA1LC		HF Mold Family	Steel Pipe	#4 Concentric	5.89mm	158.75 – 273.1mm
CAHBA1L12		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	335.3mm
CAFCA1L20		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	548.6mm
CAHBA1L10		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	281.9mm
CAHBA1L		HB Mold Family	Cast Iron Pipe or Flat Surface	#4 Concentric	5.89mm	655.3mm min
CAFCA1L6		FC Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	175mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVHT1L12		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	335.3mm
CAFCA1L		FC Mold Family	Cast Iron Pipe or Flat Surface	#4 Concentric	5.89mm	655.3mm min
CAHCA1LB		HC Mold Family	Steel Pipe	#4 Concentric	5.89mm	73 – 141.3mm
CAHBA1L6		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	175mm

Table 8/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHCA1LC		HC Mold Family	Steel Pipe	#4 Concentric	5.89mm	158.75 – 273.1mm
CAVHT1L16		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	442mm
CAVST1LC		VS Mold Family	Steel Pipe	#4 Concentric	5.89mm	141.3 – 273.1mm
CAVHT1L4		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	122mm
CAVHT1L6		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	175mm
CAVHT1L8		VH Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	230mm
CAHAA1LM		HA Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAFSA1LB		FS Mold Family	Steel Pipe	#4 Concentric	5.89mm	158.75 – 219.1mm
CAHAA1LBM		HA Mold Family	Steel Pipe	#4 Concentric	5.89mm	114.3 – 141.3mm
CAVTP1L		VT Mold Family	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6mm min
CAHBA1L4		HB Mold Family	Cast Iron Pipe	#4 Concentric	5.89mm	122mm
CAHBA1T6		HB Mold Family	Cast Iron Pipe	#2 Solid	6.53mm	175mm
CAVST1T		VS Mold Family	Steel Pipe or Flat Surface	#2 Solid	6.53mm	609.6mm min
CAHAAY1		HA Mold Family	Steel Pipe or Flat Surface	25 mm ² Concentric	6.6mm	609.6mm min
CAHAA1TB		HA Mold Family	Steel Pipe	#2 Solid	6.53mm	114.3 – 168.3mm
CAHAAY1M	221466	HA Mold Family	Steel Pipe or Flat Surface	25 mm ² Concentric	6.6mm	609.6mm min

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAHBA1T12		HB Mold Family	Cast Iron Pipe	#2 Solid	6.53mm	335.3mm
CAVST1TB		VS Mold Family	Steel Pipe	#2 Solid	6.53mm	60.3 – 114.3mm
CAVHP1T		VH Mold Family	Cast Iron Pipe or Flat Surface	#2 Solid	6.53mm	655.3mm min
CAHAA1TA		HA Mold Family	Steel Pipe	#2 Solid	6.53mm	33.4 – 101.6mm

Table 9/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVST1TA		VS Mold Family	Steel Pipe	#2 Solid	6.53mm	33.4 – 48.3mm
CAVST1TC		VS Mold Family	Steel Pipe	#2 Solid	6.53mm	141.3 – 323.9mm
CAHAA1T	240009	HA Mold Family	Steel Pipe or Flat Surface	#2 Solid	6.53mm	609.6mm min
CAHCA1T		HC Mold Family	Steel Pipe or Flat Surface	#2 Solid	6.53mm	609.6mm min
CAHCA1TC		HC Mold Family	Steel Pipe	#2 Solid	6.53mm	219.1 – 273.1mm
CAHBA1V6		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	175mm
CAHEA1V8		HE Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	230mm
CAHAA1V		HA Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAHAA1VB	240305	HA Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3 – 168.3mm
CAHAA1VA		HA Mold Family	Steel Pipe	#2 Concentric	7.42mm	33.4 – 101.6mm
CAHEA1V6		HE Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	175mm
CAHBA1V8		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	230mm
CAFSA1V		FS Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAHEA1V		HE Mold Family	Cast Iron Pipe or Flat Surface	#2 Concentric	7.42mm	655.3mm min
CAHEA1V16		HE Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	442mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVST1V		VS Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAHEA1V12		HE Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	335.3mm
CAFSA1VB		FS Mold Family	Steel Pipe	#2 Concentric	7.42mm	158.75 – 219.1mm
CAHEA1V10		HE Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	281.9mm
CAFSA1VA		FS Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3mm

Table 10/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVNT1V4RH		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3mm
CAHAA1VC	240026	HA Mold Family	Steel Pipe	#2 Concentric	7.42mm	273.1 – 355.6mm
CAHAA1VM		HA Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAVTP1V4		VT Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3mm
CAVTP1V		VT Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAVJP1V		VJ Mold Family	Cast Iron Pipe or Flat Surface	#2 Concentric	7.42mm	655.3mm min
CAVJP1VD		VJ Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	230 – 335.3mm
CAHBA1V		HB Mold Family	Cast Iron Pipe or Flat Surface	#2 Concentric	7.42mm	655.3mm min
CAHBA1V10		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	281.9mm
CAHBA1V12		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	335.3mm
CAVHP1V6		VH Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	175mm
CAVHP1V4		VH Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	122mm
CAVNT1V4LH		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3mm
CAVHP1V16		VH Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	442mm
CAHBA1V4	240306	HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	122mm
CAHBA1V14		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	388.6mm
CAVHP1V12		VH Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	335.3mm
CAVNT1VLH6		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	158.75mm

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVNT1VLH8		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	219.1mm
CAVHP1V		VH Mold Family	Cast Iron Pipe or Flat Surface	#2 Concentric	7.42mm	655.3mm min

Table 11/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAVNT1VRH6		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	158.75mm
CAHBA1V16		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	442mm
CAHBA1V18		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	495.3mm
CAVBP1V		VB Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAHBA1V20		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	548.6mm
CAVNT1VRH8		VN Mold Family	Steel Pipe	#2 Concentric	7.42mm	219.1mm
CAHBA1V24		HB Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	655.3mm
CAFCA1V12		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	335.3mm
CAVST1VD		VS Mold Family	Steel Pipe	#2 Concentric	7.42mm	219.1 – 323.9mm
CAFCA1V4		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	122mm
CAVST1VB		VS Mold Family	Steel Pipe	#2 Concentric	7.42mm	60.3 – 88.9mm
CAFCA1V6		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	175mm
CAVST1VA		VS Mold Family	Steel Pipe	#2 Concentric	7.42mm	33.4 – 48.3mm
CAFCA1V8		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	230mm
CAFCA1V24		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	655.3mm
CAHCA1VC		HC Mold Family	Steel Pipe	#2 Concentric	7.42mm	273.1 – 406.4mm
CAFCA1V18		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	495.3mm
CAVST1VC		VS Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3 – 168.3mm
CAFCA1V10		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	281.9mm
CAVST1VM		VS Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min

Table 12/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
CAFCA1V16		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	442mm
CAHCA1V		HC Mold Family	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6mm min
CAFCA1V14		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	388.6mm
CAFCA1V		FC Mold Family	Cast Iron Pipe or Flat Surface	#2 Concentric	7.42mm	655.3mm min
CAFCA1V20		FC Mold Family	Cast Iron Pipe	#2 Concentric	7.42mm	548.6mm
CAHCA1VA		HC Mold Family	Steel Pipe	#2 Concentric	7.42mm	60.3 – 101.6mm
CAHCA1VB		HC Mold Family	Steel Pipe	#2 Concentric	7.42mm	114.3 – 168.3mm
CAHAAY2	231704	HA Mold Family	Steel Pipe or Flat Surface	35 mm ² Concentric	7.75mm	609.6mm min
CAHAAY2A		HA Mold Family	Steel Pipe	35 mm ² Concentric	7.75mm	33.4 – 101.6mm
CAHEA1Y8		HE Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	230mm
CAHEA1Y		HE Mold Family	Cast Iron Pipe or Flat Surface	#1 Concentric	8.43mm	655.3mm min
CAVHP1Y		VH Mold Family	Cast Iron Pipe or Flat Surface	#1 Concentric	8.43mm	655.3mm min
CAVSP1YC		VS Mold Family	Steel Pipe	#1 Concentric	8.43mm	141.3 – 273.1mm
CAHAA1Y		HA Mold Family	Steel Pipe or Flat Surface	#1 Concentric	8.43mm	609.6mm min
CAHEA1Y6		HE Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	175mm
CAHEA1Y12		HE Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	335.3mm
CAVHP1Y20		VH Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	548.6mm
CAHEA1Y10		HE Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	281.9mm
CAHBA1Y18		HB Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	495.3mm
CAHAA1YA		HA Mold Family	Steel Pipe	#1 Concentric	8.43mm	48.3 – 101.6mm

Table 13/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
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CAHAA1YM		HA Mold Family	Steel Pipe or Flat Surface	#1 Concentric	8.43mm	609.6mm min
CAHAA1YC		HA Mold Family	Steel Pipe	#1 Concentric	8.43mm	273.1 – 355.6mm
CAHCA1Y		HC Mold Family	Steel Pipe or Flat Surface	#1 Concentric	8.43mm	609.6mm min
CAHBA1Y		HB Mold Family	Cast Iron Pipe or Flat Surface	#1 Concentric	8.43mm	655.3mm min
CAHBA1Y12		HB Mold Family	Cast Iron Pipe	#1 Concentric	8.43mm	335.3mm
CAHAA1YB		HA Mold Family	Steel Pipe	#1 Concentric	8.43mm	114.3 – 168.3mm
CAHAA1Y3	223651	HA Mold Family	Steel Pipe or Flat Surface	50 mm ² Concentric	8.99mm	609.6mm min
CAHAA2CA		HA Mold Family	Steel Pipe	1/0 Concentric	9.47mm	73 – 101.6mm
CAFCA2C		FC Mold Family	Cast Iron Pipe or Flat Surface	1/0 Concentric	9.47mm	655.3mm min
CAHBA2C		HB Mold Family	Cast Iron Pipe or Flat Surface	1/0 Concentric	9.47mm	655.3mm min
CAFCA2C8		FC Mold Family	Cast Iron Pipe	1/0 Concentric	9.47mm	230mm
CAHAA2C		HA Mold Family	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6mm min
CAHCA2C		HC Mold Family	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6mm min
CAFSA2C		FS Mold Family	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6mm min
CAHAA2CB		HA Mold Family	Steel Pipe	1/0 Concentric	9.47mm	114.3 – 168.3mm
CAHAA2CC		HA Mold Family	Steel Pipe	1/0 Concentric	9.47mm	273.1 – 457.2mm
CAHAA2CM		HA Mold Family	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6mm min
CAVSP2C		VS Mold Family	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6mm min
CAFSA2CB		FS Mold Family	Steel Pipe	1/0 Concentric	9.47mm	158.75 – 273.1mm
CAHAA2G		HA Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min

Table 14/14

Catalog Number	Article Number	Mold Family	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter
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CAVSP2GB		VS Mold Family	Steel Pipe	2/0 Concentric	10.62mm	141.3 – 273.1mm
CAHCA2GD		HC Mold Family	Steel Pipe	2/0 Concentric	10.62mm	323.9 – 609.6mm
CAHAA2GM		HA Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min
CAVSP2GC		VS Mold Family	Steel Pipe	2/0 Concentric	10.62mm	323.9 – 406.4mm
CAHAA2GC		HA Mold Family	Steel Pipe	2/0 Concentric	10.62mm	273.1 – 457.2mm
CAHCA2GA		HC Mold Family	Steel Pipe	2/0 Concentric	10.62mm	88.9 – 114.3mm
CAHAA2GB		HA Mold Family	Steel Pipe	2/0 Concentric	10.62mm	114.3 – 168.3mm
CAVSP2GM		VS Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min
CAHAA2GA		HA Mold Family	Steel Pipe	2/0 Concentric	10.62mm	73 – 101.6mm
CAVSP2G		VS Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min
CAHCA2G		HC Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min
CAFSA2G		FS Mold Family	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6mm min
CAHAAY4		HA Mold Family	Steel Pipe or Flat Surface	70 mm ² Concentric	10.92mm	609.6mm min

Table 1/14

Catalog Number	Article Number	NB/DN
CAHAA1B		600 min
CAHAAA7		600 min
CAVNT1ELH16		400
CAVNT1ERH16		400
CAVNP1ERH16		400
CAVNP1ERH12		300
CAVNP1ELH16		400
CAVNP1ELH12		300
CAHBA1G12		300
CAHCA1GB		65 – 125
CAVST1G		200
CAVST1GA		20 – 90

Catalog Number	Article Number	NB/DN
CAVST1GAM		20 – 90
CAHBA1G6		150
CAHBA1G		600 min
CAVST1GB		100 – 250
CAHBA1G4		100
CAHBA1G3		80
CAVSTW2A		20 – 90
CAHEA1G12		300

Table 2/14

Catalog Number	Article Number	NB/DN
CAHCA1GC		150 – 250
CAHBA1G10		250
CAVST1GBM		100 – 250
CAHEA1G8		200
CAHBA1G16		400
CAVST1GM		200
CAHEA1G10		250
CAVSTW2		600 min
CAHAA1GM		600 min
CAHBA1G18		450
CAHBA1G20		500
CAHEA1G6		150
CAHEA1G20		500
CAHBA1G14		350
CAHBA1G24		600
CAHCA1GA		20 – 50
CAHEA1G		600 min
CAHCA1G		600 min
CAHEA1G4		100
CAVFP1G		600 min

Table 3/14

Catalog Number	Article Number	NB/DN
CAVHT1G14		350

Catalog Number	Article Number	NB/DN
CAVHT1G12		300
CAVHT1G10		250
CAVHT1G		600 min
CAVHT1G18		450
CAVHT1G24		600
CAVHT1G4		100
CAVHT1G6		150
CAVHT1G8		200
CAHAAW2		600 min
CAHAAW2A		20 – 90
CAHAA1GAM		20 – 90
CAHBA1G8		200
CAVSTW2B		100 – 250
CAHBA1H4		100
CAHBA1H18		450
CAHCA1HC		150 – 250
CAHBA1H20		500
CAHBA1H24		600
CAHBA1H16		400

Table 4/14

Catalog Number	Article Number	NB/DN
CAHBA1H14		350
CAHBA1H12		300
CAHBA1H10		250
CAHBA1H6		150
CAHCA1HA		20 – 50
CAHBA1H		600 min
CAHCA1H		600 min
CAHBA1H8		200
CAHEA1H		600 min
CAHEA1H12		300
CAHAA1HM		600 min
CAHAA1HAM		20 – 90
CAHAA1HA		20 – 90

Catalog Number	Article Number	NB/DN
CAHAA1H		600 min
CAVHT1H		600 min
CAHEA1H6		150
CAVHT1H12		300
CAVHT1H4		100
CAVHT1H6		150
CAVST1H		600 min

Table 5/14

Catalog Number	Article Number	NB/DN
CAVST1HA		20 – 90
CAVST1HB		100 – 250
CAVST1HM		600 min
CAHAAW3	235815	600 min
CAHAA1KB		100 – 125
CAHAA1KA	240207	600 min
CAHAA1K		600 min
CAVHT1K10		250
CAVFT1K		600 min
CAVST1K		600 min
CAHAAW3A		20 – 90
CAHEA1K24		600
CAVHT1K6		150
CAVST1KC		125 – 250
CAVST1KB		50 – 100
CAVST1KA		20 – 40
CAHCA1KB		65 – 125
CAHBA1K16		400
CAHBA1K24		600
CAHBA1K4		100

Table 6/14

Catalog Number	Article Number	NB/DN
CAHBA1K6		150
CAHBA1K12		300

Catalog Number	Article Number	NB/DN
CAHBA1K8		200
CAHBA1K		600 min
CAVSTW3		600 min
CAVSTW3B		50 – 100
CAVST1LA		20 – 40
CAFCA1L12		300
CAHAA1LB		100 – 125
CAHBA1L24		600
CAVHT1L		600 min
CAHAA1LAM		20 – 90
CAHAA1LA		20 – 90
CAVST1LB		50 – 100
CAHAA1L	240270	600 min
CAFCA1L4		100
CAHCA1LA		20 – 50
CAFCA1L14		350
CAFCA1L8		200
CAHBA1L16		400

Table 7/14

Catalog Number	Article Number	NB/DN
CAHEA1L12		300
CAHBA1L20		500
CAFSA1L		600 min
CAHEA1L6		150
CAVHT1L10		250
CAVST1L		600 min
CAHBA1L14		350
CAFCA1L24		600
CAHBA1L8		200
CAHCA1L		600 min
CAHFA1LC		150 – 250
CAHBA1L12		300
CAFCA1L20		500
CAHBA1L10		250

Catalog Number	Article Number	NB/DN
CAHBA1L		600 min
CAFCA1L6		150
CAVHT1L12		300
CAFCA1L		600 min
CAHCA1LB		65 – 125
CAHBA1L6		150

Table 8/14

Catalog Number	Article Number	NB/DN
CAHCA1LC		150 – 250
CAVHT1L16		400
CAVST1LC		125 – 250
CAVHT1L4		100
CAVHT1L6		150
CAVHT1L8		200
CAHAA1LM		600 min
CAFSA1LB		150 – 200
CAHAA1LBM		100 – 125
CAVTP1L		600 min
CAHBA1L4		100
CAHBA1T6		150
CAVST1T		600 min
CAHAAY1		600 min
CAHAA1TB		100 – 200
CAHAAY1M	221466	600 min
CAHBA1T12		300
CAVST1TB		50 – 100
CAVHP1T		600 min
CAHAA1TA		25 – 90

Table 9/14

Catalog Number	Article Number	NB/DN
CAVST1TA		25 – 40
CAVST1TC		125 – 300
CAHAA1T	240009	600 min

Catalog Number	Article Number	NB/DN
CAHCA1T		600 min
CAHCA1TC		200 – 250
CAHBA1V6		150
CAHEA1V8		200
CAHAA1V		600 min
CAHAA1VB	240305	100 – 200
CAHAA1VA		25 – 90
CAHEA1V6		150
CAHBA1V8		200
CAFSA1V		600 min
CAHEA1V		600 min
CAHEA1V16		400
CAVST1V		600 min
CAHEA1V12		300
CAFSA1VB		150 – 200
CAHEA1V10		250
CAFSA1VA		100

Table 10/14

Catalog Number	Article Number	NB/DN
CAVNT1V4RH		100
CAHAA1VC	240026	250 – 350
CAHAA1VM		600 min
CAVTP1V4		100
CAVTP1V		600 min
CAVJP1V		600 min
CAVJP1VD		200 – 300
CAHBA1V		600 min
CAHBA1V10		250
CAHBA1V12		300
CAVHP1V6		150
CAVHP1V4		100
CAVNT1V4LH		100
CAVHP1V16		400
CAHBA1V4	240306	100

Catalog Number	Article Number	NB/DN
CAHBA1V14		350
CAVHP1V12		300
CAVNT1VLH6		150
CAVNT1VLH8		200
CAVHP1V		600 min

Table 11/14

Catalog Number	Article Number	NB/DN
CAVNT1VRH6		150
CAHBA1V16		400
CAHBA1V18		450
CAVBP1V		600 min
CAHBA1V20		500
CAVNT1VRH8		200
CAHBA1V24		600
CAFCA1V12		300
CAVST1VD		200 – 300
CAFCA1V4		100
CAVST1VB		50 – 80
CAFCA1V6		150
CAVST1VA		25 – 40
CAFCA1V8		200
CAFCA1V24		600
CAHCA1VC		250 – 400
CAFCA1V18		450
CAVST1VC		100 – 150
CAFCA1V10		250
CAVST1VM		600 min

Table 12/14

Catalog Number	Article Number	NB/DN
CAFCA1V16		400
CAHCA1V		600 min
CAFCA1V14		350
CAFCA1V		600 min

Catalog Number	Article Number	NB/DN
CAFCA1V20		500
CAHCA1VA		50 – 90
CAHCA1VB		100 – 200
CAHAAY2	231704	600 min
CAHAAY2A		25 – 90
CAHEA1Y8		200
CAHEA1Y		600 min
CAVHP1Y		600 min
CAVSP1YC		125 – 250
CAHAA1Y		600 min
CAHEA1Y6		150
CAHEA1Y12		300
CAVHP1Y20		500
CAHEA1Y10		250
CAHBA1Y18		450
CAHAA1YA		40 – 90

Table 13/14

Catalog Number	Article Number	NB/DN
CAHAA1YM		600 min
CAHAA1YC		250 – 350
CAHCA1Y		600 min
CAHBA1Y		600 min
CAHBA1Y12		300
CAHAA1YB		100 – 200
CAHAAY3	223651	600 min
CAHAA2CA		65 – 90
CAFCA2C		600 min
CAHBA2C		600 min
CAFCA2C8		200
CAHAA2C		600 min
CAHCA2C		600 min
CAFSA2C		600 min
CAHAA2CB		100 – 200
CAHAA2CC		250 – 450

Catalog Number	Article Number	NB/DN
CAHAA2CM		600 min
CAVSP2C		600 min
CAFSA2CB		150 – 250
CAHAA2G		600 min

Table 14/14

Catalog Number	Article Number	NB/DN
CAVSP2GB		125 – 250
CAHCA2GD		300 – 600
CAHAA2GM		600 min
CAVSP2GC		300 – 400
CAHAA2GC		250 – 450
CAHCA2GA		80 – 100
CAHAA2GB		100 – 200
CAVSP2GM		600 min
CAHAA2GA		65 – 90
CAVSP2G		600 min
CAHCA2G		600 min
CAFSA2G		600 min
CAHAAY4		600 min

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 test weld should be made to check for the possibility of burn through on thin sections and to determine detrimental metallurgical effects.

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

W-CA-XX-X-XX-LH-XX-L-M		
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points
CA	Cathodic Designation	
XX	Mold Family	
X	Price Key	
XX	Conductor Size	
LH	Weld End	LH = Weld on left end of conductor RH = Weld on right end of conductor (For VN Mold Family only)
XX	Pipe Size	
L*	Split Crucible	Crucible section is split on molds designed with horizontal opening for easier cleaning
M*	Mold Only	

* 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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