

nVent ERICO Cadweld Exolon, Cable to Steel

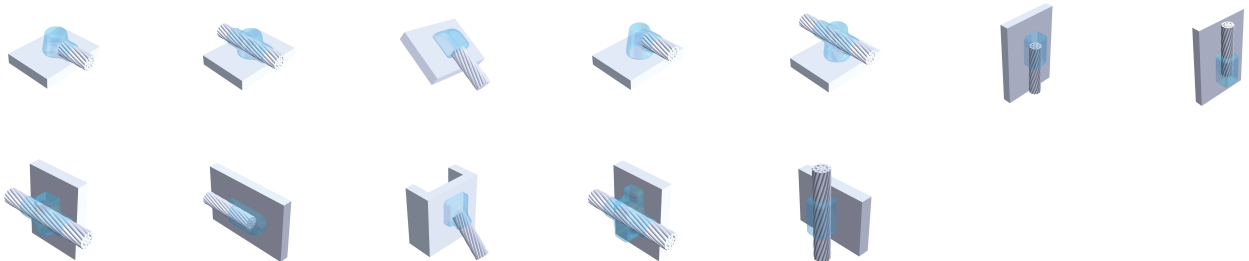


Developed in 1988, nVent ERICO Cadweld Exolon connections represented a significant advancement in welded electrical connections for sensitive indoor applications like data centers, hospitals, and other clean room environments. The virtual elimination of smoke and a unique electronic starting system makes this an ideal solution for sensitive applications. Each nVent ERICO Cadweld Exolon package contains ceramic filters that produce an extremely low emission connection.

CERTIFICATIONS



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	Connects To	Conductor Size	Conductor Outer Diameter, Nominal	Outer Diameter	NB/DN
XLHAA1H	HA	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLHCA1H	HC	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLVBC1H	VB	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLVSC1H	VS	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLVSC1HV3C	VS	Steel Pipe	#6 Concentric	4.67mm	48.3 - 114.3 mm	40 - 100
XLVSP1H	VS	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLVSP1HM	VS	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLVTC1H	VT	Steel Pipe or Flat Surface	#6 Concentric	4.67mm	609.6 mm Min	600 Min
XLHCA1K	HC	Steel Pipe or Flat Surface	#4 Solid	5.18mm	609.6 mm Min	600 Min
XLHCA1K162C	HC	Steel Pipe	#4 Solid	5.18mm	42.2 - 60.3 mm	32 - 50
XLVFC1KV3C	VF	Steel Pipe	#4 Solid	5.18mm	48.3 - 114.3 mm	40 - 100
XLVSC1KV3C	VS	Steel Pipe	#4 Solid	5.18mm	48.3 - 114.3 mm	40 - 100
XLHAA1L	HA	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLHCA1L	HC	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLHCA1L1.50	HC	Steel Pipe	#4 Concentric	5.89mm	48.3 mm	40
XLHCA1L2	HC	Steel Pipe	#4 Concentric	5.89mm	60.3 mm	50

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Outer Diameter	NB/DN
XLVBC1L	VB	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLVSC1L	VS	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLVSC1LV3C	VS	Steel Pipe	#4 Concentric	5.89mm	48.3 - 114.3 mm	40 - 100
XLVTC1L	VT	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLVVC1L	VV	Steel Pipe or Flat Surface	#4 Concentric	5.89mm	609.6 mm Min	600 Min
XLHAA1T	HA	Steel Pipe or Flat Surface	#2 Solid	6.53mm	609.6 mm Min	600 Min
XLHAA1T162C	HA	Steel Pipe	#2 Solid	6.53mm	42.2 - 60.3 mm	32 - 50
XLVFC1T	VF	Steel Pipe or Flat Surface	#2 Solid	6.53mm	609.6 mm Min	600 Min
XLVFC1TV4	VF	Steel Pipe	#2 Solid	6.53mm	114.3 mm	100
XLVSC1TV3C	VS	Steel Pipe	#2 Solid	6.53mm	48.3 - 114.3 mm	40 - 100
XLVSC1TV5C	VS	Steel Pipe	#2 Solid	6.53mm	114.3 - 168.3 mm	100 - 150
XLHAA1V	HA	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLHCA1V	HC	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLHSC1V	HS	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLVBC1V	VB	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLVFC1V	VF	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLVSC1V	VS	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLVSC1VV3C	VS	Steel Pipe	#2 Concentric	7.42mm	48.3 - 114.3 mm	40 - 100

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Outer Diameter	NB/DN
XLVTC1V	VT	Steel Pipe or Flat Surface	#2 Concentric	7.42mm	609.6 mm Min	600 Min
XLHSC2C	HS	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVBC2C	VB	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVFC2C	VF	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVGC2C	VG	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVSC2C	VS	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVSC2CV3C	VS	Steel Pipe	1/0 Concentric	9.47mm	60.3 - 114.3 mm	50 - 100
XLVSC2CV8C	VS	Steel Pipe	1/0 Concentric	9.47mm	158.8 - 273.1 mm	150 - 250
XLVVR2C	VV	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLVVR2CS	VV	Steel Pipe or Flat Surface	1/0 Concentric	9.47mm	609.6 mm Min	600 Min
XLHFC2G	HF	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLHSC2G	HS	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLHTC2G	HT	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLVBC2G	VB	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLVGC2G	VG	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLVNC2GLH	VN	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLVSC2G	VS	Steel Pipe or Flat Surface	2/0 Concentric	10.62mm	609.6 mm Min	600 Min
XLVSC2GV3C	VS	Steel Pipe	2/0 Concentric	10.62mm	42.2 - 101.6 mm	32 - 90

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Outer Diameter	NB/DN
XLVSC2GV5C	VS	Steel Pipe	2/0 Concentric	10.62mm	114.3 - 168.3 mm	100 - 150
XLHSC2L	HS	Steel Pipe or Flat Surface	3/0 Concentric	11.94mm	609.6 mm Min	600 Min
XLHTC2L	HT	Steel Pipe or Flat Surface	3/0 Concentric	11.94mm	609.6 mm Min	600 Min
XLVSC2L	VS	Steel Pipe or Flat Surface	3/0 Concentric	11.94mm	609.6 mm Min	600 Min
XLHAH2Q20C	HA	Steel Pipe	4/0 Concentric	13.41mm	323.9 - 609.6 mm	300 - 600
XLHAH2Q8C	HA	Steel Pipe	4/0 Concentric	13.41mm	158.8 - 273.1 mm	150 - 250
XLHDVBC2QS	VB	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLHSC2Q	HS	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLHTC2Q	HT	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLHTC2QW	HT	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVBC2Q	VB	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVFR2Q	VF	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVFR2QS	VF	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVNC2QLH	VN	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVNC2QRH	VN	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVSC2Q	VS	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVSC2QW	VS	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVTC2Q	VT	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min

CatalogNumber	Mold Family	Connects To	Conductor Size	Conductor OuterDiameter, Nominal	Outer Diameter	NB/DN
XLVTC2QW	VT	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVVR2Q	VV	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVVR2QS	VV	Steel Pipe or Flat Surface	4/0 Concentric	13.41mm	609.6 mm Min	600 Min
XLVTC2V	VT	Steel Pipe or Flat Surface	250 kcmil Concentric	14.61mm	609.6 mm Min	600 Min
XLVSC3D	VS	Steel Pipe or Flat Surface	350 kcmil Concentric	17.3mm	609.6 mm Min	600 Min
XLVSC3DS	VS	Steel Pipe or Flat Surface	350 kcmil Concentric	17.3mm	609.6 mm Min	600 Min
XLHSC3Q	HS	Steel Pipe or Flat Surface	500 kcmil Concentric	20.65mm	609.6 mm Min	600 Min
XLHSC3QS	HS	Steel Pipe or Flat Surface	500 kcmil Concentric	20.65mm	609.6 mm Min	600 Min
XLVBR3Q	VB	Steel Pipe or Flat Surface	500 kcmil Concentric	20.65mm	609.6 mm Min	600 Min
XLVSC4L	VS	Steel Pipe or Flat Surface	750 kcmil Concentric	25.35mm	609.6 mm Min	600 Min

Table 2/2

Catalog Number	Certifications
XLHAA1H	cUL, UL
XLHCA1H	cUL, UL
XLVBC1H	cUL, UL
XLVSC1H	UL, cUL
XLVSC1HV3C	cUL, UL
XLVSP1H	

Catalog Number	Certifications
XLVSP1HM	
XLVTC1H	cUL, UL
XLHCA1K	cUL, UL
XLHCA1K162C	UL, cUL
XLVFC1KV3C	
XLVSC1KV3C	UL, cUL
XLHAA1L	UL, cUL
XLHCA1L	cUL, UL
XLHCA1L1.50	UL, cUL
XLHCA1L2	cUL, UL
XLVBC1L	UL, cUL
XLVSC1L	cUL, UL
XLVSC1LV3C	cUL, UL
XLVTC1L	cUL, UL
XLVVC1L	
XLHAA1T	cUL, UL
XLHAA1T162C	cUL, UL
XLVFC1T	

Catalog Number	Certifications
XLVFC1TV4	
XLVSC1TV3C	UL, cUL
XLVSC1TV5C	cUL, UL
XLHAA1V	UL, cUL
XLHCA1V	cUL, UL
XLHSC1V	cUL, UL
XLVBC1V	cUL, UL
XLVFC1V	
XLVSC1V	UL, cUL
XLVSC1VV3C	cUL, UL
XLVTC1V	UL, cUL
XLHSC2C	UL, cUL
XLVBC2C	UL, cUL
XLVFC2C	
XLVGC2C	
XLVSC2C	cUL, UL
XLVSC2CV3C	UL, cUL
XLVSC2CV8C	cUL, UL

Catalog Number	Certifications
XLVVR2C	
XLVVR2CS	
XLHFC2G	
XLHSC2G	cUL, UL
XLHTC2G	cUL, UL
XLVBC2G	UL, cUL
XLVGC2G	
XLVNC2GLH	
XLVSC2G	UL, cUL
XLVSC2GV3C	cUL, UL
XLVSC2GV5C	cUL, UL
XLHSC2L	UL, cUL
XLHTC2L	UL, cUL
XLVSC2L	UL, cUL
XLHAH2Q20C	cUL, UL
XLHAH2Q8C	UL, cUL
XLHDVBC2QS	UL, cUL
XLHSC2Q	UL, cUL

Catalog Number	Certifications
XLHTC2Q	cUL, UL
XLHTC2QW	UL, cUL
XLVBC2Q	cUL, UL
XLVFR2Q	
XLVFR2QS	
XLVNC2QLH	
XLVNC2QRH	
XLVSC2Q	cUL, UL
XLVSC2QW	UL, cUL
XLVTC2Q	cUL, UL
XLVTC2QW	UL, cUL
XLVVR2Q	
XLVVR2QS	
XLVTC2V	cUL, UL
XLVSC3D	
XLVSC3DS	
XLHSC3Q	
XLHSC3QS	

Catalog Number	Certifications
XLVBR3Q	
XLVSC4L	

ADDITIONAL PRODUCT DETAILS

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

W-XL-XX-X-XX-LH-XX-L-M		
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points
XL	ERICO CADWELD EXOLON 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.

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



Our powerful portfolio of brands:

CADDY

ERICO

HOFFMAN

ILSCO

SCHROFF

TRACHTE