

nVent ERICO Cadweld Exolon, Cable to Lug or Busbar



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

Mold Families LA and LE can be used with straight or offset lugs

SPECIFICATIONS

Table 1/2

Catalog Number	Mold Family	Lug/Busbar Size	Conductor Size	Conductor Outer Diameter, Nominal	Conductor 1	Conductor 1 Outer Diameter, Nominal
XLLAP1HAA	LA	1/16" x 1/2"	#6 Concentric	0.18"		
XLLAP1HAAM	LA	1/16" x 1/2"	#6 Concentric	0.18"		
XLLJCEG1H	LJ	1/4" x 1 1/2" and wider	#6 Concentric	0.18"		
XLGLCCE1L	GL	1/8" x 1"	#4 Concentric	0.23"		
XLLAC1TCE	LA	1/8" x 1"	#2 Solid	0.26"		
XLLJCEG1T	LJ	1/4" x 1 1/2" and wider	#2 Solid	0.26"		
XLLREEG1T	LR	1/4" x 1 1/2" and wider	#2 Solid	0.26"		
XLLAC1VCE	LA	1/8" x 1"	#2 Concentric	0.29"		
XLLJCAG1V	LJ	1/16" x 1 1/2" and wider	#2 Concentric	0.29"		
XLLJCEG1V	LJ	1/4" x 1 1/2" and wider	#2 Concentric	0.29"		
XLLJCGG1V	LJ	3/8" x 1 1/2" and wider	#2 Concentric	0.29"		
XLLQEEH1VS	LQ	1/4" x 2" and wider	#2 Concentric	0.29"		
XLGLCCE2C	GL	1/8" x 1"	1/0 Concentric	0.37"		
XLLJCEG2C	LJ	1/4" x 1 1/2" and wider	1/0 Concentric	0.37"		
XLGLCCE2G	GL	1/8" x 1"	2/0 Concentric	0.42"		
XLLAC2GCE	LA	1/8" x 1"	2/0 Concentric	0.42"		

CatalogNumber	Mold Family	Lug/Busbar Size	Conductor Size	Conductor OuterDiameter, Nominal	Conductor 1	Conductor 1 OuterDiameter, Nominal
XLLAC2GDE	LA	3/16" x 1"	2/0 Concentric	0.42"		
XLLJCEG2G	LJ	1/4" x 1 1/2" and wider	2/0 Concentric	0.42"		
XLLJCEG2L	LJ	1/4" x 1 1/2" and wider	3/0 Concentric	0.47"		
XLLQJEH2LMS	LQ	1/4" x 2" and wider	3/0 Concentric	0.47"		
XLLQJEH2LS	LQ	1/4" x 2" and wider	3/0 Concentric	0.47"		
XLGLCDE2Q	GL	3/16" x 1"	4/0 Concentric	0.53"		
XLLJCCE2Q	LJ	1/8" x 1"	4/0 Concentric	0.53"		
XLLJCEG2Q	LJ	1/4" x 1 1/2" and wider	4/0 Concentric	0.53"		
XLLQJEH2Q	LQ	1/4" x 2" and wider	4/0 Concentric	0.53"		
XLLQJEH2QMS	LQ	1/4" x 2" and wider	4/0 Concentric	0.53"		
XLLQJEH2QS	LQ	1/4" x 2" and wider	4/0 Concentric	0.53"		
XLLSK2QGH	LS	3/8" x 2"			4/0 Concentric	0.53"
XLLSK2QGHS	LS	3/8" x 2"			4/0 Concentric	0.53"
XLLSK2QJK	LS	1/2" x 3"			4/0 Concentric	0.53"
XLLSK2QJKS	LS	1/2" x 3"			4/0 Concentric	0.53"
XLLQJEH2VS	LQ	1/4" x 2" and wider	250 kcmil Concentric	0.57"		
XLLQJGH2V	LQ	3/8" x 2" and wider	250 kcmil Concentric	0.57"		

CatalogNumber	Mold Family	Lug/Busbar Size	Conductor Size	Conductor OuterDiameter, Nominal	Conductor 1	Conductor 1 OuterDiameter, Nominal
XLLAC2SCE	LA	1/8" x 1"	4/0 Ropelay	0.61"		
XLLAD2WGHS	LA	3/8" x 2"	250 kcmil Ropelay	3/4"		
XLLAC3QEG	LA	1/4" x 1 1/2"	500 kcmil Concentric	0.81"		
XLLJCEG3Q	LJ	1/4" x 1 1/2" and wider	500 kcmil Concentric	0.81"		
XLLJCEG3QS	LJ	1/4" x 1 1/2" and wider	500 kcmil Concentric	0.81"		
XLLQJEH3QS	LQ	1/4" x 2" and wider	500 kcmil Concentric	0.81"		
XLLJCGG4L	LJ	3/8" x 1 1/2" and wider	750 kcmil Concentric	1"		
XLLJCGG4LS	LJ	3/8" x 1 1/2" and wider	750 kcmil Concentric	1"		
XLLQJEH4LS	LQ	1/4" x 2" and wider	750 kcmil Concentric	1"		
XLLQJGH4L	LQ	3/8" x 2" and wider	750 kcmil Concentric	1"		
XLLAD5AJH	LA	1/2" x 2"	1000 kcmil Ropelay	1.33"		
XLLAD5AJHS	LA	1/2" x 2"	1000 kcmil Ropelay	1.33"		

Table 2/2

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLAP1HAA			cUL, UL
XLLAP1HAAM			UL, cUL
XLLJCEG1H			UL, cUL
XLGLCCE1L			cUL, UL

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLAC1TCE			UL, cUL
XLLJCEG1T			cUL, UL
XLLREEG1T			
XLLAC1VCE			cUL, UL
XLLJCAG1V			cUL, UL
XLLJCEG1V			cUL, UL
XLLJCGG1V			UL, cUL
XLLQEEH1VS			cUL, UL
XLGLCCE2C			UL, cUL
XLLJCEG2C			UL, cUL
XLGLCCE2G			cUL, UL
XLLAC2GCE			UL, cUL
XLLAC2GDE			UL, cUL
XLLJCEG2G			cUL, UL
XLLJCEG2L			cUL, UL
XLLQJEH2LMS			UL, cUL
XLLQJEH2LS			cUL, UL
XLGLCDE2Q			cUL, UL

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLJCCE2Q			cUL, UL
XLLJCEG2Q			UL, cUL
XLLQJEH2Q			cUL, UL
XLLQJEH2QMS			UL, cUL
XLLQJEH2QS			cUL, UL
XLLSK2QGH	4/0 Concentric	0.53"	
XLLSK2QGHS	4/0 Concentric	0.53"	
XLLSK2QJK	4/0 Concentric	0.53"	
XLLSK2QJKS	4/0 Concentric	0.53"	
XLLQJEH2VS			cUL, UL
XLLQJGH2V			UL, cUL
XLLAC2SCE			cUL, UL
XLLAD2WGHS			
XLLAC3QEG			
XLLJCEG3Q			
XLLJCEG3QS			
XLLQJEH3QS			
XLLJCGG4L			

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLJCGG4LS			
XLLQJEH4LS			
XLLQJGH4L			
XLLAD5AJH			
XLLAD5AJHS			

ADDITIONAL PRODUCT DETAILS

A gap between conductors may be required. See mold tag for more information.

XL-XX-X-XX-XX-L-M-W		
XL	ERICO CADWELD EXOLON Designation	
XX	Mold Family	
X	Price Key	
XX	Lug/Busbar Size	
XX	Conductor Size	
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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