

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	4.67mm		
XLLAP1HAAM	LA	1/16" x 1/2"	#6 Concentric	4.67mm		
XLLJCEG1H	LJ	1/4" x 1 1/2" and wider	#6 Concentric	4.67mm		
XLGLCCE1L	GL	1/8" x 1"	#4 Concentric	5.89mm		
XLLAC1TCE	LA	1/8" x 1"	#2 Solid	6.53mm		
XLLJCEG1T	LJ	1/4" x 1 1/2" and wider	#2 Solid	6.53mm		
XLLREEG1T	LR	1/4" x 1 1/2" and wider	#2 Solid	6.53mm		
XLLAC1VCE	LA	1/8" x 1"	#2 Concentric	7.42mm		
XLLJCAG1V	LJ	1/16" x 1 1/2" and wider	#2 Concentric	7.42mm		
XLLJCEG1V	LJ	1/4" x 1 1/2" and wider	#2 Concentric	7.42mm		
XLLJCGG1V	LJ	3/8" x 1 1/2" and wider	#2 Concentric	7.42mm		
XLLQEEH1VS	LQ	1/4" x 2" and wider	#2 Concentric	7.42mm		
XLGLCCE2C	GL	1/8" x 1"	1/0 Concentric	9.47mm		
XLLJCEG2C	LJ	1/4" x 1 1/2" and wider	1/0 Concentric	9.47mm		
XLGLCCE2G	GL	1/8" x 1"	2/0 Concentric	10.62mm		
XLLAC2GCE	LA	1/8" x 1"	2/0 Concentric	10.62mm		

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	10.62mm		
XLLJCEG2G	LJ	1/4" x 1 1/2" and wider	2/0 Concentric	10.62mm		
XLLJCEG2L	LJ	1/4" x 1 1/2" and wider	3/0 Concentric	11.94mm		
XLLQJEH2LMS	LQ	1/4" x 2" and wider	3/0 Concentric	11.94mm		
XLLQJEH2LS	LQ	1/4" x 2" and wider	3/0 Concentric	11.94mm		
XLGLCDE2Q	GL	3/16" x 1"	4/0 Concentric	13.41mm		
XLLJCCE2Q	LJ	1/8" x 1"	4/0 Concentric	13.41mm		
XLLJCEG2Q	LJ	1/4" x 1 1/2" and wider	4/0 Concentric	13.41mm		
XLLQJEH2Q	LQ	1/4" x 2" and wider	4/0 Concentric	13.41mm		
XLLQJEH2QMS	LQ	1/4" x 2" and wider	4/0 Concentric	13.41mm		
XLLQJEH2QS	LQ	1/4" x 2" and wider	4/0 Concentric	13.41mm		
XLLSK2QGH	LS	3/8" x 2"			4/0 Concentric	13.41mm
XLLSK2QGHS	LS	3/8" x 2"			4/0 Concentric	13.41mm
XLLSK2QJK	LS	1/2" x 3"			4/0 Concentric	13.41mm
XLLSK2QJKS	LS	1/2" x 3"			4/0 Concentric	13.41mm
XLLQJEH2VS	LQ	1/4" x 2" and wider	250 kcmil Concentric	14.61mm		
XLLQJGH2V	LQ	3/8" x 2" and wider	250 kcmil Concentric	14.61mm		
XLLAC2SCE	LA	1/8" x 1"	4/0 Ropelay	15.49mm		

CatalogNumber	Mold Family	Lug/Busbar Size	Conductor Size	Conductor OuterDiameter, Nominal	Conductor 1	Conductor 1 OuterDiameter, Nominal
XLLAD2WGHS	LA	3/8" x 2"	250 kcmil Ropelay	19.05mm		
XLLAC3QEG	LA	1/4" x 1 1/2"	500 kcmil Concentric	20.65mm		
XLLJCEG3Q	LJ	1/4" x 1 1/2" and wider	500 kcmil Concentric	20.65mm		
XLLJCEG3QS	LJ	1/4" x 1 1/2" and wider	500 kcmil Concentric	20.65mm		
XLLQJEH3QS	LQ	1/4" x 2" and wider	500 kcmil Concentric	20.65mm		
XLLJCGG4L	LJ	3/8" x 1 1/2" and wider	750 kcmil Concentric	25.35mm		
XLLJCGG4LS	LJ	3/8" x 1 1/2" and wider	750 kcmil Concentric	25.35mm		
XLLQJEH4LS	LQ	1/4" x 2" and wider	750 kcmil Concentric	25.35mm		
XLLQJGH4L	LQ	3/8" x 2" and wider	750 kcmil Concentric	25.35mm		
XLLAD5AJH	LA	1/2" x 2"	1000 kcmil Ropelay	33.78mm		
XLLAD5AJHS	LA	1/2" x 2"	1000 kcmil Ropelay	33.78mm		

Table 2/2

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLAP1HAA			cUL, UL
XLLAP1HAAM			cUL, UL
XLLJCEG1H			UL, cUL
XLGLCCE1L			cUL, UL
XLLAC1TCE			UL, cUL

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLJCEG1T			cUL, UL
XLLREEG1T			
XLLAC1VCE			cUL, UL
XLLJCAG1V			UL, cUL
XLLJCEG1V			cUL, UL
XLLJCGG1V			cUL, UL
XLLQEEH1VS			UL, cUL
XLGLCCE2C			cUL, UL
XLLJCEG2C			UL, cUL
XLGLCCE2G			UL, cUL
XLLAC2GCE			UL, cUL
XLLAC2GDE			cUL, UL
XLLJCEG2G			cUL, UL
XLLJCEG2L			UL, cUL
XLLQJEH2LMS			cUL, UL
XLLQJEH2LS			UL, cUL
XLGLCDE2Q			cUL, UL
XLLJCCE2Q			cUL, UL

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
XLLJCEG2Q			cUL, UL
XLLQJEH2Q			cUL, UL
XLLQJEH2QMS			cUL, UL
XLLQJEH2QS			UL, cUL
XLLSK2QGH	4/0 Concentric	13.41mm	
XLLSK2QGHS	4/0 Concentric	13.41mm	
XLLSK2QJK	4/0 Concentric	13.41mm	
XLLSK2QJKS	4/0 Concentric	13.41mm	
XLLQJEH2VS			cUL, UL
XLLQJGH2V			UL, cUL
XLLAC2SCE			UL, cUL
XLLAD2WGHS			
XLLAC3QEG			
XLLJCEG3Q			
XLLJCEG3QS			
XLLQJEH3QS			
XLLJCGG4L			
XLLJCGG4LS			

Catalog Number	Conductor 2	Conductor 2 Outer Diameter, Nominal	Certifications
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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