

nVent ERICO Cadweld Exolon, Cable to Ground Rod or Other Rounds



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	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor Outer Diameter, Nominal
XLGRC181L	GR	Copper-bonded	3/4"	17.32 mm	#4 Concentric	5.89mm
XLGTC161T	GT	Copper-bonded	5/8"	14.3 mm	#2 Solid	6.53mm
XLGTC181T	GT	Copper-bonded	3/4"	17.32 mm	#2 Solid	6.53mm
XLGTC161V	GT	Copper-bonded	5/8"	14.3 mm	#2 Concentric	7.42mm
XLGTC181V	GT	Copper-bonded	3/4"	17.32 mm	#2 Concentric	7.42mm
XLGRC182C	GR	Copper-bonded	3/4"	17.32 mm	1/0 Concentric	9.47mm
XLGTC182C	GT	Copper-bonded	3/4"	17.32 mm	1/0 Concentric	9.47mm
XLGRC182G	GR	Copper-bonded	3/4"	17.32 mm	2/0 Concentric	10.62mm
XLGTC162G	GT	Copper-bonded	5/8"	14.3 mm	2/0 Concentric	10.62mm
XLGTC162GW	GT	Copper-bonded	5/8"	14.3 mm	2/0 Concentric	10.62mm
XLGTC182G	GT	Copper-bonded	3/4"	17.32 mm	2/0 Concentric	10.62mm
XLGTC332G	GT	Steel	3/4"	19.05 mm	2/0 Concentric	10.62mm
XLGRC182L	GR	Copper-bonded	3/4"	17.32 mm	3/0 Concentric	11.94mm
XLGTC182L	GT	Copper-bonded	3/4"	17.32 mm	3/0 Concentric	11.94mm
XLGYE182L	GY	Copper-bonded	3/4"	17.32 mm	3/0 Concentric	11.94mm
XLGRC162Q	GR	Copper-bonded	5/8"	14.3 mm	4/0 Concentric	13.41mm
XLGRC182Q	GR	Copper-bonded	3/4"	17.32 mm	4/0 Concentric	13.41mm

CatalogNumber	Mold Family	Ground Rod Type	Ground Rod Diameter, Nominal	Ground Rod Diameter, Actual	Conductor Size	Conductor OuterDiameter, Nominal
XLGTC162Q	GT	Copper-bonded	5/8"	14.3 mm	4/0 Concentric	13.41mm
XLGTC182Q	GT	Copper-bonded	3/4"	17.32 mm	4/0 Concentric	13.41mm
XLGTC182QW	GT	Copper-bonded	3/4"	17.32 mm	4/0 Concentric	13.41mm
XLGYE182Q	GY	Copper-bonded	3/4"	17.32 mm	4/0 Concentric	13.41mm
XLGTC189FW	GT	Copper-bonded	3/4"	17.32 mm	19/#9 Copperweld	14.53mm
XLGTC313Q	GT	Steel	5/8"	15.88 mm	500 kcmil Concentric	20.65mm
XLGRC183Q	GR	Copper-bonded	3/4"	17.32 mm	500 kcmil Concentric	20.65mm

Table 2/2

Catalog Number	Certifications
XLGRC181L	cUL, UL
XLGTC161T	UL, cUL
XLGTC181T	UL, cUL
XLGTC161V	cUL, UL
XLGTC181V	UL, cUL
XLGRC182C	cUL, UL
XLGTC182C	cUL, UL
XLGRC182G	UL, cUL
XLGTC162G	UL, cUL

Catalog Number	Certifications
XLGTC162GW	UL, cUL
XLGTC182G	UL, cUL
XLGTC332G	UL, cUL
XLGRC182L	cUL, UL
XLGTC182L	UL, cUL
XLGYE182L	cUL, UL
XLGRC162Q	UL, cUL
XLGRC182Q	cUL, UL
XLGTC162Q	cUL, UL
XLGTC182Q	cUL, UL
XLGTC182QW	UL, cUL
XLGYE182Q	UL, cUL
XLGTC189FW	
XLGTC313Q	
XLGRC183Q	

XL-XX-X-XX-XX-L-M-W		
XL	ERICO CADWELD EXOLON 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.

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