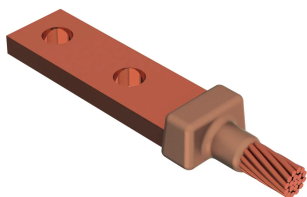


Cable to Lug or Busbar, Rail

Data Solutions



nVent ERICO Cadweld applications for railway properties utilize the nVent ERICO Cadweld Plus F80 and the nVent ERICO Cadweld F80 welding material alloys. nVent ERICO Cadweld exothermically welded connections are engineered to provide a permanent, molecular bond that will not loosen or corrode, enabling connection of dissimilar materials. The connections are designed to perform for the life of the conductor and/or installation. The nVent ERICO Cadweld connection has a current carrying capacity equal to or greater than that of the conductor and will withstand repeated fault currents without failing during operation. Once completed, installers can clearly ensure quality by visually inspecting the new connection.

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 1/1

Catalog Number	Mold Family	Lug/Busbar Size	Conductor Size	Conductor Outer Diameter, Nominal
PB10LA1GDE	LA Mold Family	3/16" x 1"	#6 Solid	0.16in
PB10GLCE1H	GL Mold Family	1/8" x 1"	#6 Concentric	0.18in
PB10LA1HEH	LA Mold Family	1/4" x 2"	#6 Concentric	0.18in

Catalog Number	Mold Family	Lug/Busbar Size	Conductor Size	Conductor Outer Diameter, Nominal
PB10LA1HEK	LA Mold Family	1/4" x 3" and wider	#6 Concentric	0.18in
PB10GLEG2G	GL Mold Family	1/4" x 1 1/2"	2/0 Concentric	0.42in
PB10LA2GEE	LA Mold Family	1/4" x 1"	2/0 Concentric	0.42in
PB10LA2GEF	LA Mold Family	1/4" x 1 1/4"	2/0 Concentric	0.42in
PB10PLCE2G	PL Mold Family	1/8" x 1"	2/0 Concentric	0.42in
PB10GLCES5	GL Mold Family	1/8" x 1"	19/#9 Copperweld	0.53in
PB10LA2QEG	LA Mold Family	1/4" x 1 1/2"	4/0 Concentric	0.53in
PB10LAS5CE	LA Mold Family	1/8" x 1"	2/0 Composite	0.53in
PB10GLEGS6	GL Mold Family	1/4" x 1 1/2"	3/0 Composite	0.57in
PB10LA2VEG	LA Mold Family	1/4" x 1 1/2"	250 kcmil Concentric	0.57in
PB10LAS6EE	LA Mold Family	1/4" x 1"	3/0 Composite	0.57in
PB10LBS6EF	LB Mold Family	1/4" x 1 1/4"	3/0 Composite	0.57in
PB10GLEE3B	GL Mold Family	1/4" x 1"	300 kcmil Ropelay	0.8in
PB10LA3BEE	LA Mold Family	1/4" x 1"	300 kcmil Ropelay	0.8in
PB10GLGG3Q	GL Mold Family	3/8" x 1 1/2"	500 kcmil Concentric	0.81in
PB10LA3QGH	LA Mold Family	3/8" x 2"	500 kcmil Concentric	0.81in
PB19ME3QEG	ME Mold Family	1/4" x 1 1/2"	500 kcmil Concentric	0.81in
PB59ME3QGG	ME Mold Family	3/8" x 1 1/2"	500 kcmil Concentric	0.81in

Catalog Number	Mold Family	Lug/Busbar Size	Conductor Size	Conductor Outer Diameter, Nominal
PB10LA3FEF	LA Mold Family	1/4" x 1 1/4"	350 kcmil Ropelay	0.88in
PB10LA3KEG	LA Mold Family	1/4" x 1 1/2"	400 kcmil Ropelay	0.93in
PB10LA3SJH	LA Mold Family	1/2" x 2"	500 kcmil Ropelay	1.04in
PB50LA4YJH	LA Mold Family	1/2" x 2"	10 mm ² Concentric	1.15in
PB50PL3SJH	PL Mold Family	1/2" x 2"	500 kcmil Ropelay	1.04in
PB10GLEG3S	GL Mold Family	1/4" x 1 1/2"	500 kcmil Ropelay	1.04in
PB10LA3SEG	LA Mold Family	1/4" x 1 1/2"	500 kcmil Ropelay	1.04in
PB19ME3SEG	ME Mold Family	1/4" x 1 1/2"	500 kcmil Ropelay	1.04in
PB10LA4XEK	LA Mold Family	1/4" x 3" and wider	#24 Ropelay	1.07in
PB10GLGG3S	GL Mold Family	3/8" x 1 1/2"	500 kcmil Ropelay	1.04in
PB10LA3SGG	LA Mold Family	3/8" x 1 1/2"	500 kcmil Ropelay	1.04in
PB59ME3SGG	ME Mold Family	3/8" x 1 1/2"	500 kcmil Ropelay	1.04in
PB50LA5FGH	LA Mold Family	3/8" x 2"	#24 Ropelay	1.39in

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 PB10GR162G becomes XLPB10GR162G). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, PB90 becomes XLPB90).

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

XXXX-XX-XX-XX-L-M-W		
XXXX	Price Key	
XX	Mold Family	
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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