

Cable to Lug or Busbar, Heavy Duty



Heavy duty connections were originally developed to be used on reclaimed cable. The heavy duty connections use a larger size connection cavity in the mold and a larger size welding material than the equivalent standard duty connection.

The larger size welding material supplies extra BTU's to melt the heavy oxide coating on the conductor and to overcome some severe field conditions. Heavy duty connections eliminate cutting the run conductor on certain types of connections, reduce cable cleaning requirements for old or reclaimed cable, and increase reliability under adverse field conditions.

Heavy duty connections are increasingly being specified for copper-coated steel conductor connections.

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 1/1

Catalog Number	Mold Family	Lug/Busbar Size	Conductor Size	Conductor Outer Diameter, Nominal	Certifications
HDLECY5FAM	LE	5 mm x 50 mm	95 mm ² Concentric	12.83mm	UL, cUL
HDLJCFALY5	LJ	5 mm x 40 mm and wider	95 mm ² Concentric	12.83mm	
HDLAC2QEE	LA	1/4" x 1"	4/0 Concentric	13.41mm	cUL, UL
HDLAC2QEG	LA	1/4" x 1 1/2"	4/0 Concentric	13.41mm	UL, cUL
HDLAC9FDEW	LA	3/16" x 1"	19/#9 Copperweld	14.53mm	
HDLAC9FEE	LA	1/4" x 1"	19/#9 Copperweld	14.53mm	
HDLAC9FGG	LA	3/8" x 1 1/2"	19/#9 Copperweld	14.53mm	
HDLAC9FGGW	LA	3/8" x 1 1/2"	19/#9 Copperweld	14.53mm	
HDLAC3AEE	LA	1/4" x 1"	300 kcmil Concentric	16mm	
HDLJCFAMY9	LJ	5 mm x 50 mm and wider	240 mm ² Concentric	20.35mm	
HDLAC9KDEW	LA	3/16" x 1"	19/#5 Copperweld	23.11mm	

ADDITIONAL PRODUCT DETAILS

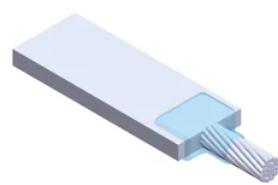
For applications such as computer room, tunnel or other low-ventilation areas, specify a smokeless nVent ERICO Cadweld Exolon mold. Add an XL prefix to the standard mold part number when ordering (for example, a TAC2Q2Q becomes XLTAC2Q2Q). Similarly, nVent ERICO Cadweld Exolon welding material is also designated by the XL prefix (for example, 150 becomes XL150).

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

HD-XX-X-XX-XX-L-M-W		
HD	Heavy Duty 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

DIAGRAMS



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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