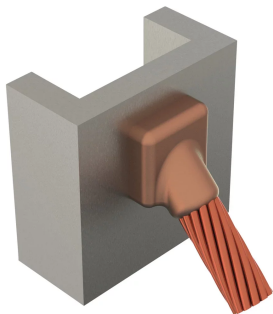


CABLE TO STEEL, RAIL



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

SPECIFICATIONS

Table 1/2

Catalog Number	Mold Family	Price Key	Connects To	Handle Clamp	Outer Diameter	Conductor Outer Diameter, Nominal
PB10VN1GRH2	VN Mold Family	C	Steel Pipe	L160, Sold Separately	60.3mm	4.11mm
SB01VS6M	VS Mold Family	T	Steel Pipe or Flat Surface	B399A and B399AM, Sold Separately	609.6mm min	4.12mm
PB10VS1H	VS Mold Family	C	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	4.67mm

Catalog Number	Mold Family	Price Key	Connects To	Handle Clamp	Outer Diameter	Conductor Outer Diameter, Nominal
SB01VS4M	VS Mold Family	T	Steel Pipe or Flat Surface	B399A and B399AM, Sold Separately	609.6mm min	5.18mm
PB10HS1L	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	5.89mm
PB10VB1L	VB Mold Family	C	Steel Pipe or Flat Surface	L160 or B396, Sold Separately	609.6mm min	5.89mm
PB10VS1L	VS Mold Family	C	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	5.89mm
PB20VT1L2.50	VT Mold Family	C	Steel Pipe	L160 and B160VT, Sold Separately	73mm	5.89mm
PB41HA1L	HA Mold Family	A	Steel Pipe or Flat Surface	B323N2 and B322, Sold Separately	609.6mm min	5.89mm
PB10VS1T	VS Mold Family	C	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	6.53mm
PB10VB1H	VB Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	7.42mm
PB10VB1V	VB Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	7.42mm
PB41HA1Y	HA Mold Family	A	Steel Pipe or Flat Surface	B323N2 and B322, Sold Separately	609.6mm min	8.43mm
PB10HS2G	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	10.62mm
PB10VB2G	VB Mold Family	C	Steel Pipe or Flat Surface	L160 or B396, Sold Separately	609.6mm min	10.62mm
PB10VB2GV1.50	VB Mold Family	C	Steel Pipe	L160 and B160V, Sold Separately	48.3mm	10.62mm
PB10VB2GV3C	VB Mold Family	C	Steel Pipe	L160 and B160V, Sold Separately	60.3 – 114.3mm	10.62mm
PB03VG4	VG Mold Family	T	Steel Pipe or Flat Surface	Mini EZ Attached	609.6mm min	10.92mm
PB10HS2Q	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	13.41mm
PB10VB2Q	VB Mold Family	C	Steel Pipe or Flat Surface	L160 or B396, Sold Separately	609.6mm min	13.41mm

Catalog Number	Mold Family	Price Key	Connects To	Handle Clamp	Outer Diameter	Conductor Outer Diameter, Nominal
PB10VN2QLH	VN Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	13.41mm
PB10VN2QRH	VN Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	13.41mm
PB10VS2Q	VS Mold Family	C	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	13.41mm
PB10VS2QV3C	VS Mold Family	C	Steel Pipe	L160 and B160V, Sold Separately	60.3 – 114.3mm	13.41mm
PB13VF2Q	VF Mold Family	R	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	13.41mm
PB13VV2Q	VV Mold Family	R	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	13.41mm
PB10VS3D	VS Mold Family	C	Steel Pipe or Flat Surface	L160 and B396, Sold Separately	609.6mm min	17.3mm
PB10HS2W	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	19.05mm
PB10HS4M	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	19.02mm
PB13VB3Q	VB Mold Family	R	Steel Pipe or Flat Surface	L160 or B396, Sold Separately	609.6mm min	20.65mm
PB10HS3S	HS Mold Family	C	Steel Pipe or Flat Surface	L160, Sold Separately	609.6mm min	26.42mm

Table 2/2				
Catalog Number	NB/DN	Pipe Size	Welding Material	Conductor Size
PB10VN1GRH2	50	2in	PB45 or PB45PLUSF80, Sold Separately	#6 Solid
SB01VS6M	600 min	24in min	SB25 or SB25PLUSF80, Sold Separately	#6 Solid
PB10VS1H	600 min	24in min	PB45 or PB45PLUSF80, Sold Separately	#6 Concentric
SB01VS4M	600 min	24in min	SB25 or SB25PLUSF80, Sold Separately	#4 Solid
PB10HS1L	600 min	24in min	PB65 or PB65PLUSF80, Sold Separately	#4 Concentric
PB10VB1L	600 min	24in min	PB65 or PB65PLUSF80, Sold Separately	#4 Concentric
PB10VS1L	600 min	24in min	PB45 or PB45PLUSF80, Sold Separately	#4 Concentric

Catalog Number	NB/DN	Pipe Size	Welding Material	Conductor Size
PB20VT1L2.50	65	2.5in	PB65 or PB65PLUSF80, Sold Separately	#4 Concentric
PB41HA1L	600 min	24in min	PB45 or PB45PLUSF80, Sold Separately	#4 Concentric
PB10VS1T	600 min	24in min	PB45 or PB45PLUSF80, Sold Separately	#2 Solid
PB10VB1H	600 min	24in min	PB65 or PB65PLUSF80, Sold Separately	#6 Concentric
PB10VB1V	600 min	24in min	PB65 or PB65PLUSF80, Sold Separately	#2 Concentric
PB41HA1Y	600 min	24in min	PB65 or PB65PLUSF80, Sold Separately	#1 Concentric
PB10HS2G	600 min	24in min	PB90 or PB90PLUSF80, Sold Separately	2/0 Concentric
PB10VB2G	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	2/0 Concentric
PB10VB2GV1.50	40	1.5in	PB115 or PB115PLUSF80, Sold Separately	2/0 Concentric
PB10VB2GV3C	50 – 100	2 – 4in	PB115 or PB115PLUSF80, Sold Separately	2/0 Concentric
PB03VGY4	600 min	24in min	PB90 or PB90PLUSF80, Sold Separately	70 mm ² Concentric
PB10HS2Q	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	4/0 Concentric
PB10VB2Q	600 min	24in min	PB150 or PB150PLUSF80, Sold Separately	4/0 Concentric
PB10VN2QLH	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	4/0 Concentric
PB10VN2QRH	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	4/0 Concentric
PB10VS2Q	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	4/0 Concentric
PB10VS2QV3C	50 – 100	2 – 4in	PB115 or PB115PLUSF80, Sold Separately	4/0 Concentric

Catalog Number	NB/DN	Pipe Size	Welding Material	Conductor Size
PB13VF2Q	600 min	24in min	PB200 or PB200PLUSF80, Sold Separately	4/0 Concentric
PB13VV2Q	600 min	24in min	PB250 or PB250PLUSF80, Sold Separately	4/0 Concentric
PB10VS3D	600 min	24in min	PB200 or PB200PLUSF80, Sold Separately	350 kcmil Concentric
PB10HS2W	600 min	24in min	PB115 or PB115PLUSF80, Sold Separately	250 kcmil Ropelay
PB10HS4M	600 min	24in min	PB250 or PB250PLUSF80, Sold Separately	#24 Ropelay
PB13VB3Q	600 min	24in min	PB150 x 2 or PB300PLUSF80, Sold Separately	500 kcmil Concentric
PB10HS3S	600 min	24in min	PB200 or PB200PLUSF80, Sold Separately	500 kcmil Ropelay

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 test weld should be made to check for the possibility of burn through on thin sections and to determine detrimental metallurgical effects.

W-XXXX-XX-XX-LH-XX-L-M		
W*	Wear Plates	Reduce mechanical abrasion of molds at cable entry points
XXXX	Price Key	
XX	Mold Family	
XX	Conductor Size	
LH	Weld End	LH = Weld on left end of conductor RH = Weld on right end of conductor (For VN Mold Family only)
XX	Pipe Size	
L*	Split Crucible	Crucible section is split on molds designed with horizontal opening for easier cleaning
M*	Mold Only	

* 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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