

High Voltage (Electric Vehicle) Cable Clamps

High Voltage EV Cable Clamps are specifically engineered to efficiently manage and secure high voltage battery cable installations. Crafted from high-temperature glass-filled nylon, these robust housings feature rubber compressible inserts, which safeguard the delicate outer layer insulation from potential damage, a common concern when alternative fastening methods are employed. The clamps are designed to be paired and joined, creating a reliable enclosure for cable runs.



For contract manufacturing operations involving wire harnesses, the installation of these clamps is a seamless process, and they remain securely attached to the cable assembly. This ensures that as the harness progresses through different stages of production, the clamp components stay adjoined and can be conveniently adjusted to their final positions for secure placement. In addition to their ease of use during installation, these clamps also offer future maintenance convenience. They can be effortlessly released thanks to their push-in release latches. These clamps are specifically tailored for Heavy Duty Electric Vehicles, further enhancing their suitability for high voltage cable management.

KEY FEATURES AND BENEFITS

Secure coupling:	Halves adjoin and remain assembled (won't go missing)
Adjustability:	Easy to find adjustable clamp position to final assembly point Clamp adjusts for variable cable diameters
Anti-rotation nodes:	Keeps cable directionally aligned to prevent undue stress points Multi-stack clamps with the alignable nodes
Release tabs:	Clamp halves separate with simple release function for access to cables
Colored housings:	Differentiated colors for cable sizes provides quick identification for line installers working within the assembly area
Low Profile:	Space saver that's also designed for optimizing cable spacing

TECHNICAL INFORMATION

Outer Material:	Housing made of Nylon 6.6, 13% Glass-filled for high impact resistance and heat stabilized
Inner Material:	Inserts made of TPV, Shore 51A
Temperature:	-40°F to 275°F (-40°C to 135°C)
Max Torque:	10 lbf*ft (13 N*m)
Bolt size:	1/4" (M6)

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Ordering Information

Clamps are sold in packages of 100 halves (50 complete clamps). These are available in single or 2-position and are sized to accommodate a range of cable sizes as shown in the following table:

Part Number	Image	Description	Diameter Range In. (mm)	Reference Cable Size ¹ AWG (mm ²)	Cable Spacing (center to center) In. (mm)	Bolt Size
HV15CC1-C376		High Voltage Cable Clamp 15-11, One Position, Blue-colored housing	0.43"-0.59" (11-15)	4-2 AWG (25-40)	N/A	1/4" M6
HV15CC2-C376		High Voltage Cable Clamp 15-11, Two Position, Blue-colored housing			1.1" (28)	
HV19CC1-C370		High Voltage Cable Clamp 19-15, One Position, Black-colored housing	0.59"-0.75" (15-19)	1-2/0 AWG (50-70)	N/A	
HV19CC2-C370		High Voltage Cable Clamp 19-15, Two Position, Black-colored housing			1.2" (30)	
HV23CC1-C378		High Voltage Cable Clamp 23-19, One Position, Grey-colored housing	0.75"-0.91" (19-23)	3/0-4/0 AWG (85-120)	N/A	
HV23CC2-C378		High Voltage Cable Clamp 23-19, Two Position, Grey-colored housing			1.3" (34)	

Notes: (1) These cable sizes are based on Thin Wall Shielded HV Battery Cable which utilizes additional outside layer of insulation for a larger finished overall diameter. When choosing the best fit for other cable types defer to the (Diameter Range) column within this table.

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