

# HIGH VOLTAGE CABLE ASSEMBLIES

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**Amphenol**  
**Alden**

*Better interconnect solutions  
for better patient care*

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# HIGH VOLTAGE CABLE ASSEMBLIES

## STANDARD & CUSTOM CABLE ASSEMBLIES

Amphenol Alden offers a line of standard high voltage connectors that helped shape the high voltage interconnect industry. In addition to these standard products, our experienced high voltage design engineers collaborate with customers to develop custom solutions and engineered cable assemblies that solve the most demanding high voltage challenges ranging from 1,000 volts to 100,000 volts. Throughout our 70 years of high voltage leadership we have served a diverse range of customers in the complex and competitive medical, industrial and military markets and have developed industry standard connectors for X-Ray, ESD, HeNe lasers and more.

At Amphenol Alden, a spirit of collaboration extends from the design process through to final delivery. Utilizing dedicated internal quality and program management teams, Amphenol Alden provides unsurpassed service before, during, and after the sale. This collaborative structure ensures Amphenol Alden is a true partner in solving your most difficult product challenges, whether using standard products or fully customized solutions.

## FEATURES & BENEFITS

### ► Designed for safe usage

- Options for polarization to prevent mis-mating
- Connectors over-molded onto the cable
- Silicone for improved isolation
- Safe operating voltages from 5 to 75 KVDC

### ► Broad product offering

- Standard solutions available from single to nine-poles for fast delivery
- Oil-tight designs available for leak-free usage with dielectric oil
- Secure connections ensured by a multitude of locking mechanisms
- Easy customization of wire length and type

## APPLICATIONS

### ► Imaging

- Medical X-ray
- Security detection
- CT Scanners

### ► Industrial

- Laser
- HV Test Equipment
- ESD simulators

### ► Military / Aerospace

- Missile Ignition
- Radar
- Navigation



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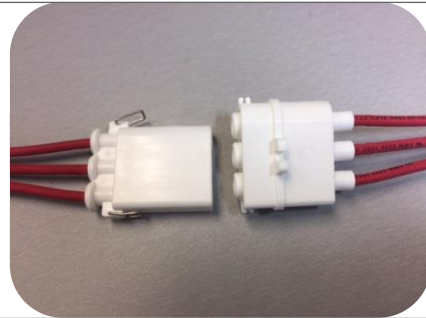


## **B100RX & B200RX:** **Single Circuit Quick-Locking Connectors**

- 35 KVDC
- Quick-Lock Feature
- Manufactured to your wire length requirement
- Plug overmolded onto the cable
- Oil tight receptacle option

## **E300QX & E301QX:** **Three Circuit Polarized Connectors**

- 20 KVDC
- Locking feature
- Manufactured to your length requirement
- Connectors over molded onto the cable

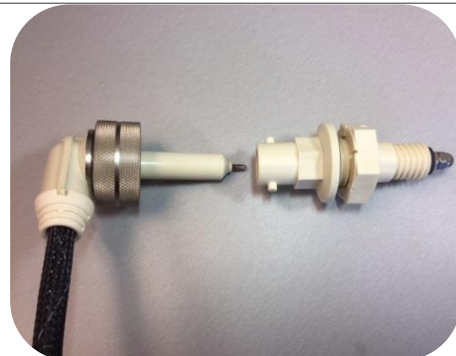


## **G103BA & G100:** **Single Circuit Silicone Rubber**

- 10 KVDC
- Silicone rubber overmolded over the cable
- Manufactured to your wire length requirement
- Panel Mount and Feed-through Plug options
- Black PBT Plug Body

## **P500 & P506BH:** **Single Circuit X-Ray Connectors**

- 55 KVDC
- J-Slot Mating Feature
- Shielded and Self-Grounding Options
- Manufactured to your length requirement
- Cable Mount Plug
- Panel Mount Receptacle
- Oil immersed Connectors



## **V132CY & V122CY:** **Two Circuit Auto Locking Connectors**

- 15 KVDC
- Manufactured to your length requirement
- Cable Mount Plug
- Front Panel Mount Receptacle

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## THE AMPHENOL ADVANTAGE

No other interconnect manufacturer can combine our collaborative engineering expertise, ability to quickly customize product, and the power of Amphenol's global manufacturing capabilities to serve the demands of the global market.

Amphenol Alden is your complete interconnect resource regardless of your interconnect need. Whether providing world-class connectors or engineering and manufacturing the most complex overmolded cable or electronic accessory, only Amphenol Alden merges design, product and process engineering to deliver interconnect results that are as ergonomic and effective as they are economical.

Visit us on the web at [www.AmphenolAlden.com](http://www.AmphenolAlden.com) or call us at 1 (508) 427-7000 with your specific interconnect application.

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