

17 SERIES 15-40 kVDC



The 17 series high voltage cable assemblies are the ideal interconnects for high voltage power supplies, medical, industrial, scientific, and military applications. These assemblies feature a single conductor and are designed for high voltage applications where a “steady state” voltage is required. To ensure a safe connector, the 17 series features a screw on coupling mechanism. The 17 series can quickly and easily be modified to suit most applications. Modifications include hardware, cable, and markings. The 17 series can also be configured as a detachable feed through for transmitting high voltage to and from oil insulated devices. This customizable high voltage connector is offered in multiple voltages, sizes, and shielded versions.

GENERAL SPECIFICATIONS

1.0 ELECTRICAL

- 1.1 Operating Voltage: 15-45 kVDC
- 1.2 Current Range: 6.5-10 AMPS

2.0 MECHANICAL

- 2.1 Plug Style: *Inline*
- 2.2 Receptacle Style: *Inline and Feed Through*
- 2.3 Termination: *Silicone rubber inserts, bonded to wire*

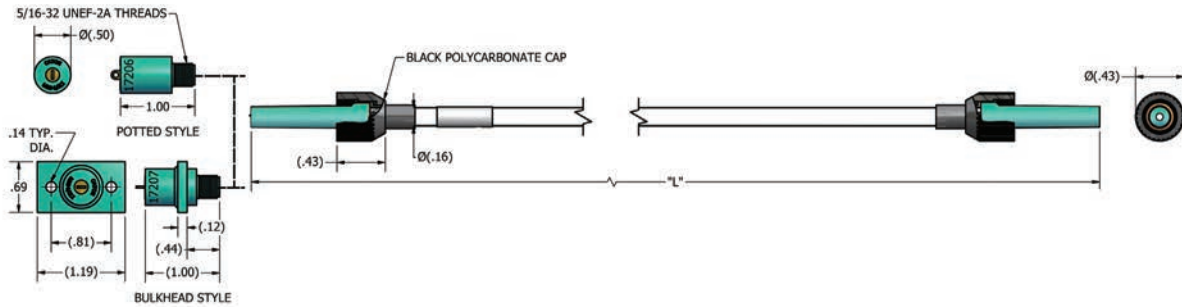
3.0 ENVIRONMENTAL

- 3.1 Altitude: *Sea Level to 70,000 feet*
- 3.2 Operating Temperature Range: *-55°C to +125°C*

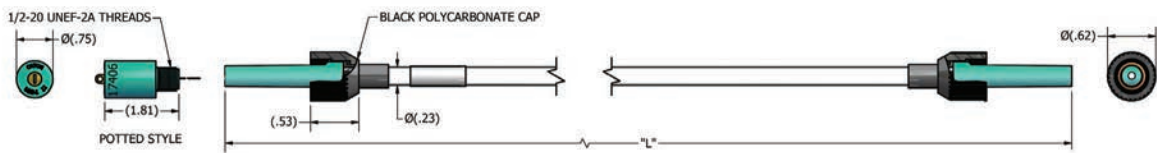
4.0 MATERIALS

- 4.1 Connector Body: *Silicone Rubber*
- 4.2 Receptacle Body: *Thermoset Diallyl Phthalate*
- 4.3 Coupling Hardware: *Polycarbonate or Tin Plated Hard Brass (special order)*
- 4.4 Contact Plating: *Gold Plated*
- 4.5 Wire: *Tin or Silver Plated Copper, Silicone Insulation*
- 4.6 Cable Shielding: *Braided Tinned Copper*
- 4.7. Cable Jacket: *Silicone Rubber*

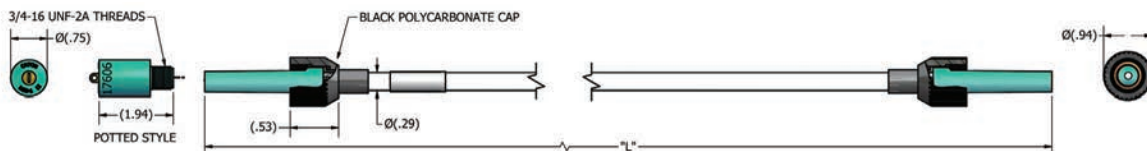
17 SERIES 15 kVDC | 6.5 AMPS continuous



17 SERIES 25 kVDC | 6.5 AMPS continuous



17 SERIES 40 kVDC | 10 AMPS continuous



17 SERIES Special Order Cable Types

