

## 14 SERIES 10-45 kVDC



The 14 series assemblies are single conductor, inline assemblies designed for high voltage applications where high performance and a “steady-state” voltage is required at a lower cost than conventional shell type connectors. The connectors utilize Caton’s proven tapered conical interface design making the 14 series ideal for applications subject to high vibrations, shock and humidity. The silicone body is bonded directly to the wire for maximum dielectric strength which makes it ideal for quick connect and disconnect applications. The 14 series is offered in a panel mount and finger grip design and is available in a wide range of voltages.

### GENERAL SPECIFICATIONS

#### 1.0 ELECTRICAL

1.1 Operating Voltage: 15-45 kVDC

1.2 Current Range: 4-10 AMPS

#### 2.0 MECHANICAL

2.1 Style: Finger Grip & Panel Mount (special order)

2.2 Plug Termination: Bonded directly to the Cable

#### 3.0 ENVIRONMENTAL

3.2 Operating Temperature Range: -55°C to +125°C

#### 4.0 MATERIALS

4.1 Connector Body: Silicone Rubber per A-A-59588, Class 2B (ZZ-R-765)

4.1.1 Male Connector: Color Red, Durometer, 70

Shore A

4.1.2 Female Connector: Color Red, Durometer, 50

Shore A

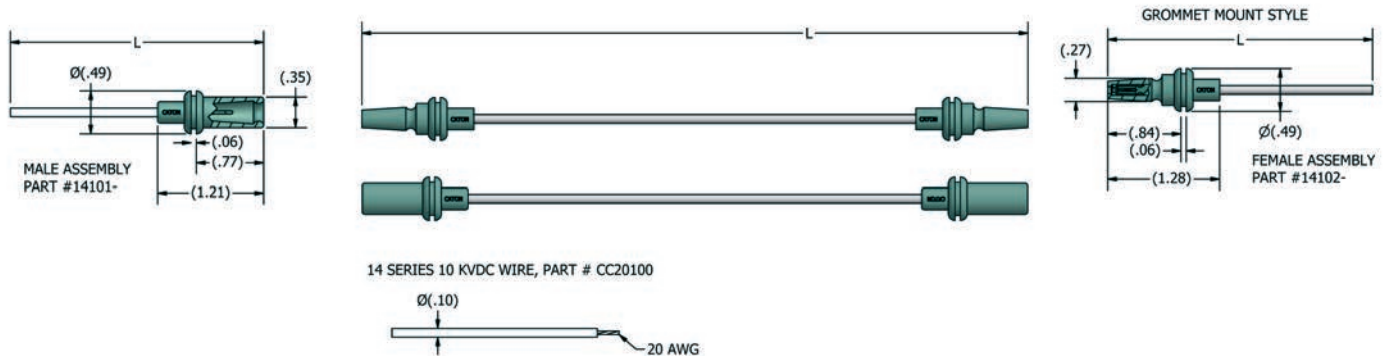
4.2 Pin Contact: Hard Brass per QQ-B-626

4.3 Socket Contact: Beryllium Copper Alloy, Grade M33-25 or M173

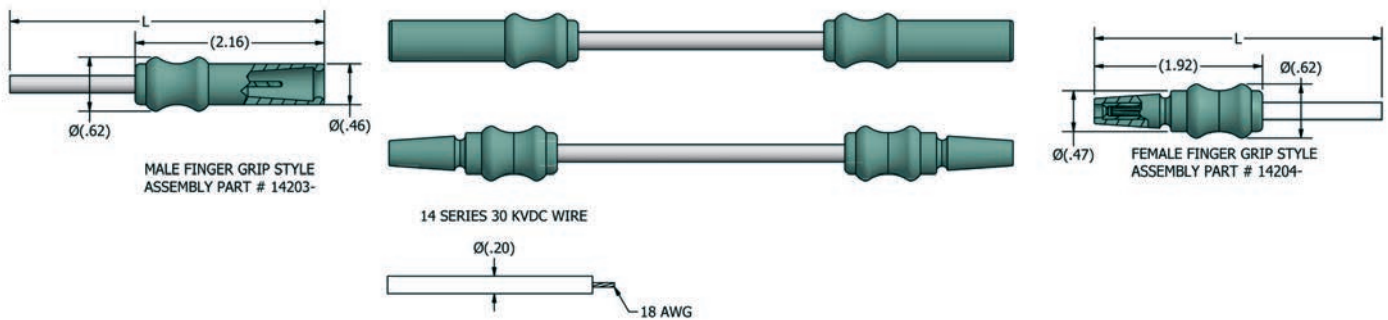
4.4. Pin and Socket: Gold Plated per MIL-G-45204, Class 1, Type II

4.5 Wire: Silicone Insulation

## 14 SERIES 10 kVDC | 4 AMPS continuous (special order only)



## 14 SERIES 30 kVDC | 6.5 AMPS continuous



## 14 SERIES 45 kVDC | 10 AMPS continuous

