

Duraline®



Industrial Strength Electrical Products for Industrial Strength Users



High Power Single Pole Connectors (518 Series)

The **518 Series** high power connectors feature an innovative 360 degree non-specific locking collet design. This allows the connector pairs to be mated and locked without regard to a specific orientation. There is no cam or keyway to line up, no polarizing positions, or twisted cables to worry about. When engaged, the locking ring provides positive locking force while allowing free rotation even with rigid cable.

The **518 Series** high power connectors are designed and tested for AC or DC applications requiring currents from 50 to 1000 amps and voltages up to 5KV. All connectors are provided on 600 volt cable standard and include waterproof caps. Connectors are available in a variety of colors to allow for phase identification. Mated pairs are fully watertight and are ideally suited for use in areas that are generally hosed down with water under pressure as part of clean up procedures.

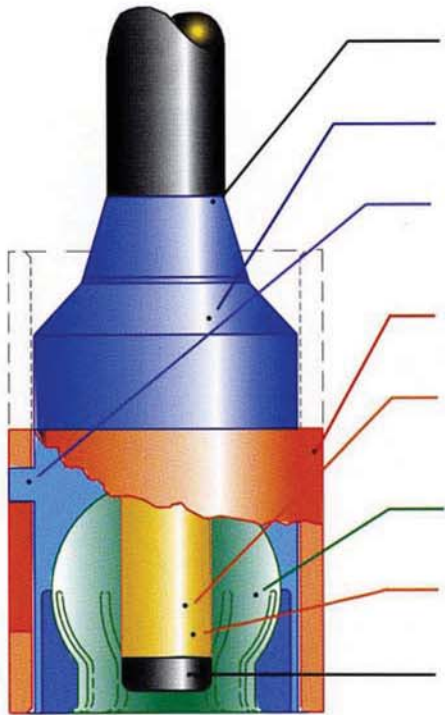
The **518 Series** connectors are ideal for use on railroad cars, power plants, generators, tunnels, oil rigs, refineries, aircraft carriers... Anywhere a high power quick disconnect would be used.

The **518 Series** connectors can be manufactured to conform to IEEE-383 for class 1E applications for use in nuclear-fueled power plants. Since these crews must work under limited allowable time exposures, the quick connection properties of the **518 Series** connectors are quite desirable.

All **518 Series** connectors are built to customer's electrical specifications (voltage, amperage, cable size, and color codes).

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The Duraline 518 Series high power connectors consist of three groups of connectors:
 518 Micro, with a range of 50 to 150 amps and a locking force of 100 lbs.
 518 Jr., with a range of 150 to 300 amps and a locking force of 150 lbs.
 518 Sr., with a range of 300 to 1,000 amps and a locking force of over 300 lbs.



Assembly Is Integreally Molded To Cable

**Solid Rubber Molded Construction
With No Voids or Air-Gaps**

Retaining Pin Keeps Ring From Unlocking

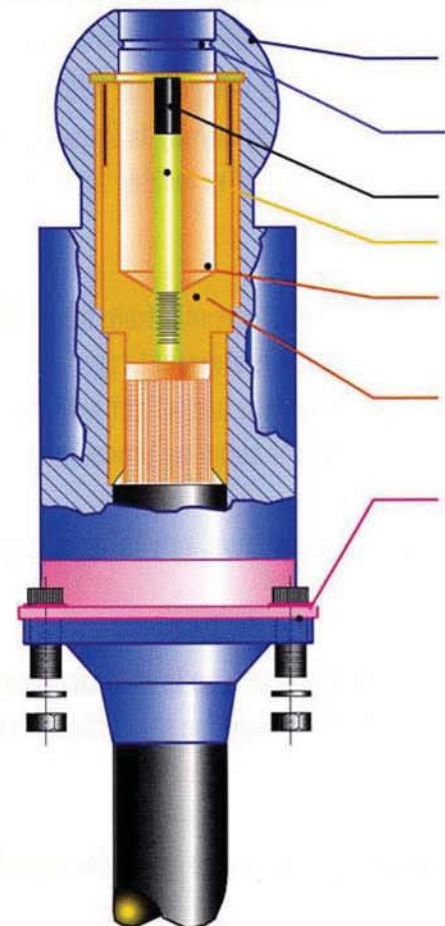
**Ring Provides Positive Locking Force
While Allowing Free Rotation**

**Tellurium Copper Male Pin Provides
Maximum Conductivity**

**Flexible Molded Collet Locks Onto
Female Ball-Nose**

**Male Pin Silver Plated For Increased
Protection From Corrosion**

Safe Front Tip Molded Onto Male Pin



**Female Ball-Nose Locks Onto Male
Molded Collet Allowing 360 Degree
Free Rotation**

Watertight "O" Ring Seal

Molded Safe Front Tip

Brass Interrupter Pin

**Tellurium Copper Female Pin Provides
Maximum Conductivity**

**Female Pin Silver Plated for Increased
Protection From Corrosion**

**Connectors Also Available In Panel-Mount
Receptacle Version**