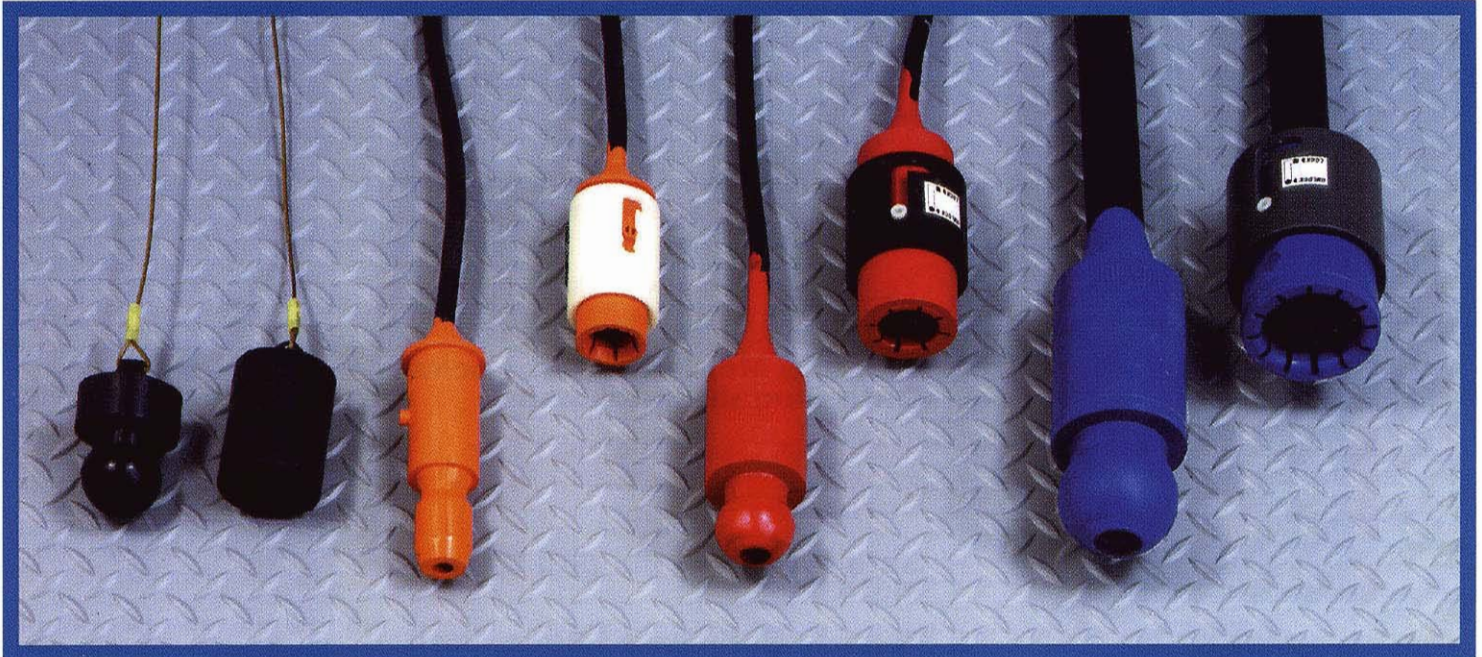


# Duraline®

## 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 cables.

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** connector are quite desirable.

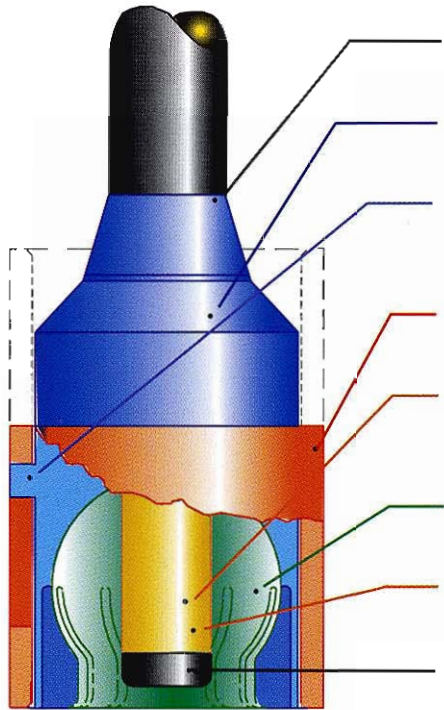
All **518 Series** connectors are built to customer's electrical specifications (voltage, amperage, cable size and color codes).

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 1000 amps and a locking force of over 300 lbs.



**Assembly Is Integrally Molded To Cable**

**Solid Hypalon Rubber Molded Construction With No Voids Or Air-Gaps**

**Retaining Pin Keeps Ring From Unlocking**

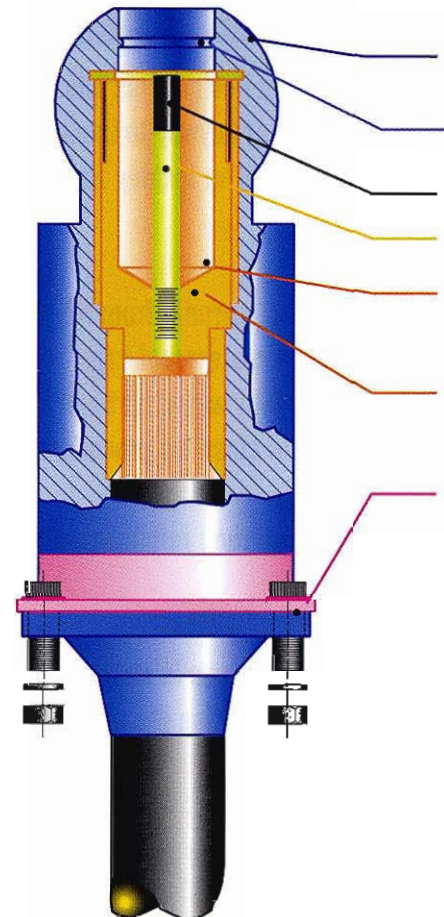
**Ring Provides Positive Locking Force While Allowing Free Rotation**

**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**