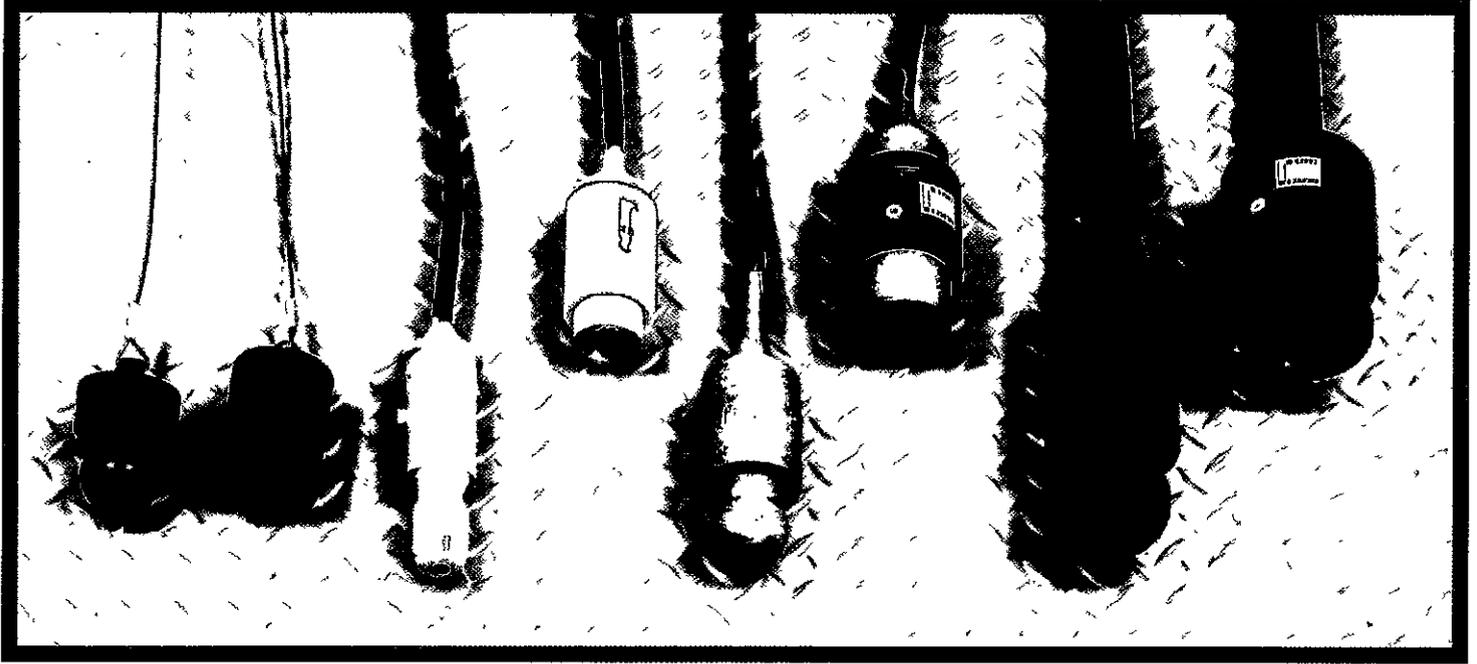


Duraline[®]

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.

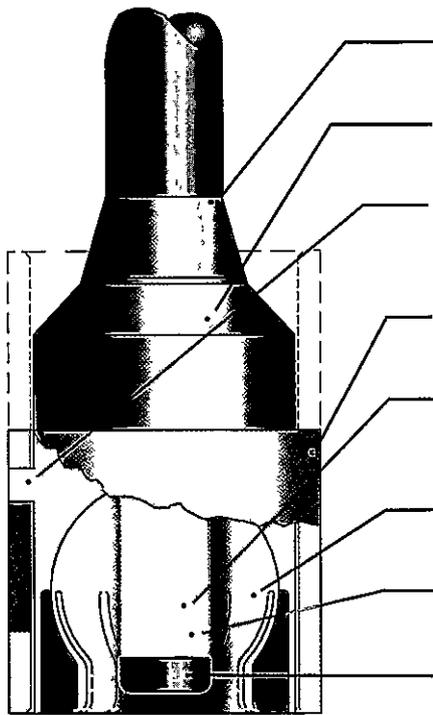
All 518 Series connectors are built to customer's electrical specifications (voltage, amperage, cable size and color codes).

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 Moulded Construction With No Voids Or Air-Gaps

Retaining Pin Keeps Ring From Unlocking

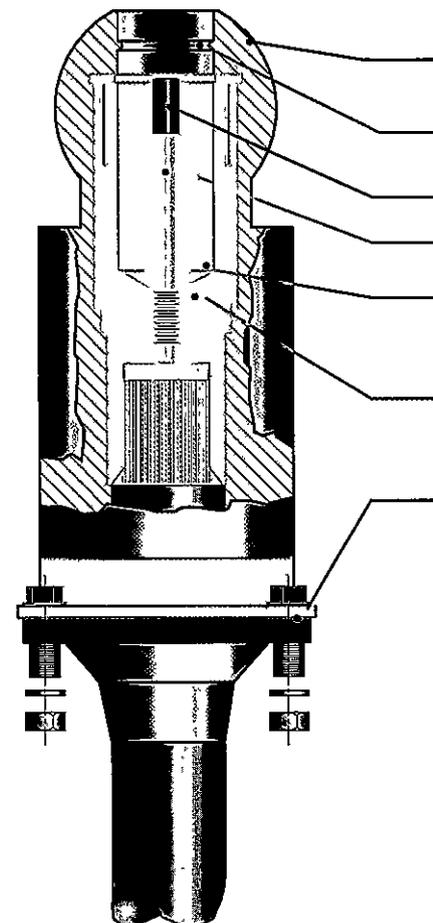
Ring Provides Positive Locking Force While Allowing Free Rotation

Tellurium Copper Male Pin Provides Maximum Conductivity

Flexible Moulded Collet Locks Onto Female Ball-Nose

Male Pin Silver Plated For Increased Protection From Corrosion

Safe Front Tip Moulded Onto Male Pin



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

Watertight "O-Ring" Seal

Moulded 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