

## DuraGard® Waterproof Connections

### Plugs, Connectors and Receptacles

#### Performance — Electrical

<b>Dielectric Voltage Withstand</b>	3000 volts
<b>Max. Working Voltage</b>	6000 volts RMS (minimum creepage and minimum clearance per UL 840)
<b>Circuit Interrupting/ Load Breaking</b>	UL® Listed and CSA Certified for circuit interrupting at full rated current
<b>Temperature Rise</b>	Max. 30° C/86° F temperature rise at full rated current after 50 cycles of overload at 150% rated current at .75 pf

#### Performance — Mechanical

<b>Impact Resistance</b>	Per UL 1682 Paragraph 34
<b>Cord Accommodation</b>	Round portable service cords. 10 standard diameters from .405" to 1.00", custom sizes to spec
<b>Terminal Identification</b>	In accordance with UL 1682
<b>Cable Pull Out Force</b>	In accordance with UL 1682
<b>Product Identification</b>	Identification label and molded in name
<b>Lockout/Tagout</b>	Lockout/tagout hole on plug complies with OSHA Reg. 29 CFR 1910.147

#### Performance — Environmental

<b>Moisture Resistance</b>	Per UL 1682 Paragraph 49 Watertight/ flap screw cover on receptacle, O-rings on all pins and sleeves, interiors and plug shell. Watertight even when not engaged
<b>Flammability</b>	VO or better per UL 94
<b>Operating Temperatures</b>	Maximum continuous: 95° C/203° F Minimum: -40° C/-40° F without impact
<b>Chemicals</b>	Resists standard industrial hydrocarbons, acids, bases and solvents



#### Material

<b>Contact Carrier Interior</b>	Molded arc-resistant UL 94-V0 phenolic thermoset
<b>Housing, Gland Nuts, Screw Collar Rings</b>	DuraV® UL 94-V0, high-impact Thermoplastic
<b>O-Rings</b>	Buna-N (Nitrile)
<b>Contacts: Pins and Sleeves</b>	Brass CDA 360
<b>Hinge Pins (Receptacle)</b>	Stainless steel
<b>Terminals</b>	Brass CDA 360
<b>Terminal Screws, Flap Springs, Assembly Screws, Nuts, Hardware</b>	Stainless steel
<b>Gland Friction Washer</b>	20 amp — Nylon 30, 50 and 60 amp — Aluminum
<b>Cable Clamp Bushing</b>	Neoprene

#### Approvals\*



\* TUV & PSE listed product also available; contact Technical Services.

Russellstoll® Pin and Sleeve Power Connectors