

Russellstoll®

DuraGuard® Waterproof Connections

Washdown Duty, Chemical, Outdoor, Industrial & Marine Use Non-Metallic Plugs, Connectors Receptacles & Inlets – 20, 30 & 50 Amp, Maximum 600 VAC/250 VDC

Engineering Specifications

Performance – Electrical

Dielectric Voltage Withstand	3,000 Volts
Max. Working Voltage	6000 volts RMS (minimum creepage and minimum clearance per UL 840)
Circuit Interrupting/Load Breaking	UL listed and CSA certified for circuit interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated current at .75-pf.
Horsepower	Per NEC 430-151 ratings

Performance – Mechanical

Impact Resistance	Per UL 1682 Paragraph 34
Cord Accommodation	Round portable service cords. 10 standard diameters from .405" to 1.00", custom sizes to spec.
Terminal Identification	In accordance with UL1682
Cable Pull Out Force	In accordance with UL1682
Product Identification	Identification label and molded in name
Lockout/Tagout	Lockout/Tagout hole on plug complies with OSHA Reg. 29 CFR 1910.147.



Performance – Environmental

Moisture Resistance	Per UL1682 Paragraph 49. Watertight/flap screw cover on receptacle, O-Rings on all pins and sleeves, interiors and plug shell. Watertight even when not engaged.
Flammability Operating	VØ or better per UL94 Maximum Continuous: 95°C / 203°F
Temperatures	Minimum: -40°C / -40°F w/o impact
Chemicals	Resists standard industrial hydrocarbons, acids, bases and solvents.

Material

Contact Carrier Interior	Molded arc resistant UL94-V0 phenolic thermoset
Housing, Gland Nuts Screw Collar Rings	DuraV™ UL94-V0, High Impact Thermoplastic
O-Rings	Buna-N (Nitrile)
Contacts: Pins & Sleeves	Brass CDA 360
Hinge Pins (Receptacle)	Stainless Steel
Terminals	Brass CDA 360
Terminal Screws	Stainless Steel
Flap Springs	
Assembly Screws	
Nuts, Hardware	
Gland Friction Washer	20 Amp - Nylon 30 & 50 Amp - Aluminum
Cable Clamp Bushing	Neoprene

Approvals



E2630/E47956



LL14096