

Russellstoll®

DuraTite™ Overview and Product Comparison

Defined

- Any application where electrical connections need protection from water and/or dust ingress to the contacts or the wiring compartment.
- Less credit cable sealing, but easier to use device locking designs are employed.
- Metal connectors are usually preferred, with thermoplastic options increasing. Thermoplastic devices must withstand normal industrial handling.

Russellstoll Line Selections for Indoor Applications

DuraTite™ to 3P4W 20 & 30A

A New Thermoplastic option to 20/30A Standard Ever-Lok Plugs and Connectors. 20 and 30A plugs will mate directly to Standard Ever-Lok receptacles, with a new EZTab locking feature. For new installations, specify Ever-Lok receptacles, with DuraTite plugs and connectors. Clamp or conduit options complete a flexible value option for new and existing installations.

Ever-Lok® Standard & Midget Series to 3P4W 15 thru 50A

Steel self-locking housings make the Standard and Midget Ever-Loks famous for their endurance in punishing factory installations. Clamp, bushing or hub fitting cable entries are offered for both, with Standard Ever-Lok available at 20, 30 and 50A over the 15A Midget Ever-Lok. Standard voltage polarizations are maintained in these lines through 480VAC.

Heavy Service Ever-Lok to 4P4W 30 thru 100A

The standard in portable welding installations, from 30 to 100A. Rugged aluminum housings and self-locking upon insertion, HSE series products are ideal for indoor factory use. With unique "handle" designs, a simple 1/8 turn counter-clockwise releases plug for withdrawal. Switched/fused or circuit breaker interlocks in several configurations are also offered. (see Automotive/Industrial Interlock section).

IEC (IP44) to 4P5W 20 thru 100A

Thermoplastic International Standard 309-2 or CEE-17 type connector lines usage is growing in OEM, export and standard performance applications. The IP44 indoor use style is "splashproof" when mated and directly interchangeable with other manufacturers. International designations shadow U.S. ratings: 20/16, 30/32, 60/63 and 100/125. IP44 devices have NO locking features except flap covers, with catalog numbers "S" or "SW" suffixes.



Typical Application Groups

General Industrial

Lighting Connections
Indoor Welding Stations
Machinery/Tool Connections
Power Distribution Panels
Convenience Power
Battery Charging Equipment

Construction

Generator Set Panels
Portable Tools & Equipment
Limited Life Installations
Portable Lighting Equipment

Instrumentation

Portable Equipment
Critical Power Connections
Motor Power Connections
Critical Robotics Power
Test Equipment
Laboratory/Test Stations

OEM's

Export Machinery
Critical Power Connections
International Indoor Usage
Transportable Equipment

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DuraTite™ Overview

Non-Metallic Self-Locking Plugs, Connectors & Receptacles



Industrial Specification Grade Redefined

From our industry standard Ever-Lok series of plugs, connectors and receptacles, Russellstoll has developed DuraTite™, the first non-metallic, self-locking pin and sleeve power interconnection system. In 20 and 30 amp ranges, DuraTite™ mates with existing 15-30A Ever-Lok receptacles already in use.

Industrial “Safety Grade” Construction

20 and 30 Amp plugs and connectors (600 VAC Max.)

Indoor industrial and heavy duty use.

Durable, Tough & Flame Safety Rated Housings

- **DuraV™** housing material specially selected for hot or cold washdown duty.
- **Flame Safe** UL94-V0 rated housings.
- **Superior Performance** in Corrosive Environments.
- **High Visibility** yellow housings.

Safe & Reliable Power Connections: Pin & Sleeve, Voltage Polarized

- **Long Life:** Round, Self Cleaning, Constant Pressure Pin & Sleeve Contacts, of Solid CDA 360 brass for long reliable electrical life.
- **More Power, Operates Cooler:** large circular electrical contact area allows more current flow with lower temperature rise.
- **Ground Pin Keyed for Voltage Polarization** (O-ring seal).
- **Voltage Polarized for Safe Connection** (U-ground) (pins shown with optional O-ring seals).

Easy To Wire

- **“No twistoff” Locking Plugs:** Integral Threaded Screw Collars and Compression type Bushings make wiring a snap.
- **Fast Assembly and Wiring:** “Drop-In” rear loaded interiors use no assembly screws, versus 3-5 or more with other connectors. 30/50A connectors use unique E-Z Tite™ external gland lock screw, also.
- **Set Screw Terminals:** Are quick and easy to wire, with complete wire capture in deep pin/sleeve barrels.



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