Cooper Wiring Devices offers the industry’s most diverse and complete line of Industrial Specification Grade, Marine Grade and Commercial Specification Grade locking receptacles, plugs, connectors, flanged inlets and outlets. Our line includes 15A, 20A, 30A, 50A and 60A ratings in 2-pole, 2-wire; 2-pole, 3-wire; 3-pole, 3-wire; 3-pole, 4-wire grounding; 4-pole, 4-wire; and 4-pole, 5-wire grounding. We also offer all design styles to meet any application, including: Hart-Lock®, AutoGrip®, PowerLock®, Safety Grip®, California standard, watertight, insulated, isolated ground, corrosion resistant, and midget.

All of our rugged devices are “contractor tough,” yet their locking action is easy to implement. A simple twist engages or disengages the mechanism.

Cooper’s tough locking receptacles meet NEMA/ANSI standards, are UL listed, and many models are CSA approved. All of our locking devices meet or surpass the most stringent industry performance standards established by the National Electrical Manufacturers Association, Underwriters’ Laboratories, and Federal Specifications.

Cooper’s designs are easy to install, and each attractively finished product is inspected at the point of manufacture and tested for electrical and mechanical performance, as well as for safety characteristics, before packing.

**Industrial Specification Grade Locking Receptacles**

These locking receptacles are the top of the Cooper Wiring Devices line, featuring superior engineering and performance as well as outstanding appearance and ease of installation. Made to provide the safest, most dependable wiring device performance available, Industrial Specification Grade locking receptacles meet or surpass the most stringent industry standards.

**Industrial Specification Grade Locking Plugs and Connectors**

Only Cooper Wiring Devices offers tough Industrial Specification Grade plugs and connectors in two different cable clamping designs to meet your every need. All our AutoGrip® and Safety Grip® nylon devices are high performance connecting products for use in high abuse areas such as industrial plants, institutional locations and commercial job sites. They meet or exceed the latest requirements of industry performance standards and design standards such as NEMA, ANSI, UL, and Federal Specifications/GSA.

Nearly all of Cooper’s locking devices are Underwriters’ Laboratories (UL) Listed and most are also CSA certified or available as CSA certified. Please consult Cooper Wiring Devices Customer Service for availability.
Industrial Specification Grade
Hart-Lock® Locking Devices

Heavy duty, glass reinforced, high temperature, nylon body reduces breakage. Heat stabilized material suitable for 105°C/221°F continuous use. Body material meets UL 175 C.T.I. test.

Rugged heavy duty mounting strap. Double riveted to body for added strength.

Compact body design allows for adequate wire room in wallbox.

One piece brass alloy contacts provide excellent plug retention and continuity in the grounding and power circuits.

Heavy interior walls provide additional support to insure contact retention.

Back and side wired terminal design allows for fast installation. Large 10-32 power contact screws assure easy, efficient installation.

Serrated terminal plates bite wire to insure strong, reliable wiring connections.
**Industrial Specification Grade 20 & 30A**

**Hart-Lock® Locking Plugs and Connectors**

- **Back wire terminals** have lead-in tapers for ease of wiring.
- **Dead-Front construction.**
- **All-brass terminal screws and clamps** for low-resistance conductor terminations.
- **Serrated terminal plates** and contoured terminal clamps “bite” on the conductors for positive termination.
- **High-strength, nylon construction** for long life in tough applications.
- **Dust and moisture cord seal** limits entry of contaminants into terminal compartment.
- **Heavy-duty safety grip** external cord grip with fast-driving screws provides positive cord gripping and limits strain on conductors.

**Industrial Specification Grade 15A**

**Hart-Lock® Locking Plugs and Connectors**

- **Dual range cord grip** secures cord without crushing.
- **Individual wire pockets** contain stranded wire.
- **Nylon body** designed for high abuse areas, suitable for 70°C/158°F continuous use.
- **Neoprene cord hole seal** prevents dirt, moisture, metal chips from entering terminal area.
- **Back wired construction** provides for fast wiring. Complies with Dead-Front NEC requirements on plug.
Power-Lock® Locking Devices

Power-Lock devices are designed for the high abuse of heavy-duty industrial, petrochemical, marine and construction applications. These units come in a complete line of plugs, connectors, receptacles, and accessories in 20, 30 and 60 ampere, 2-pole, 3-wire; 3-pole, 4-wire and 4-pole, 5-wire configurations.

**Heavy-duty 30A Power-Lock®**

- **Tapered cord grip cover** prevents cord snagging.
- **Neoprene gasket** seals cord entry hole and prevents dust and moisture from entering terminal area.
- **Automatic cord clamping fingers** provide exceptional cord retention.
- **Unique twist type cover** eliminates assembly screws.
- **Back wired clamp type terminals** provide fast easy wiring.
- **High impact nylon shell and glass-filled nylon interior** virtually eliminates breakage in high abuse installations.
- **Totally insulated design** eliminates exposed metal parts.

Neoprene gasket seals cord entry hole and prevents dust and moisture from entering terminal area.

Automatic cord clamping fingers provide exceptional cord retention.

Unique twist type cover eliminates assembly screws.

Back wired clamp type terminals provide fast easy wiring.

High impact nylon shell and glass-filled nylon interior virtually eliminates breakage in high abuse installations.

Totally insulated design eliminates exposed metal parts.
Hart-Lock® 50 Amp AutoGrip™
Plugs and Connectors

Nylon AutoGrip clamps firmly on a wide variety of cord sizes to provide a strong, positive cord grip without need for additional clamping.

Neoprene gland seals to protect interior.

One press of the quick-release lock frees caps for easy, screw-off removal.

Tapered shell design makes AutoGrip plugs and connector less vulnerable to snagging on debris or other obstacles at construction sites.

Rolled steel shrouds add strength and resist corrosion.

Ribbed housing surfaces provide improved gripping and handling in any environment.

Deep, tapered wire wells are clearly marked X, W, Y and GREEN for easy insertion and isolation of solid or stranded wires.

Back wired construction provides for easy installation, dependable conductor termination.

Large terminal lugs grip conductors securely, are easy to access, and come already backed out to speed up installation.

All plugs and connectors accept up to #6 wire.

Clearly marked plug and connector faces provide amperage, voltage, wiring configuration, and catalog number for easy identification.
Commercial Spec Grade Devices

Commercial Specification Grade Locking Plugs and Connectors

- High impact thermo-plastic construction stands up to severe job site abuse.
- Solid brass blades for superior conductivity and low heat rise.
- Large, deep-slotted captive brass terminal screws.
- Chamfered wire well for easy insertion of wire.
- Clear terminal chambers allow visual inspection of terminals.
- Chamfered wire well for easy insertion of wire.
- Rating and NEMA/standard compliances (third party listing) on face.
- Grooved housing for easy gripping and twisting.

Commercial Specification Grade Locking Receptacles

- Clearly marked rating, NEMA configuration and standard compliances (third party listing) on face.
- One piece, wraparound mounting strap for added strength and durability.
- One piece brass contacts offer superior design and minimum heat rise.
- Color-coded body to identify amperage.
- Combination head terminal and mounting screws.
- Back wire terminal clamps for easy, secure wiring.
- High impact-resistant nylon face and body.
20A 3 Pole, 4 Wire Commercial Specification Grade Locking Devices

**FEATUReS**
- Rugged nylon face and body.
- Clearly marked rating, NEMA configuration and approval listings on receptacle face.
- One piece brass contacts offer superior performance and minimum heat rise.

<table>
<thead>
<tr>
<th>Rating</th>
<th>A/AC</th>
<th>NEMA</th>
<th>Description</th>
<th>Color</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>125/250</td>
<td>L14-20</td>
<td>Single</td>
<td>Black</td>
<td>L1420R</td>
</tr>
<tr>
<td>20</td>
<td>250V 3Ø</td>
<td>L15-20</td>
<td>Single</td>
<td>Black</td>
<td>L1520R</td>
</tr>
<tr>
<td>20</td>
<td>480V 3Ø</td>
<td>L16-20</td>
<td>Single</td>
<td>Black</td>
<td>L1620R*</td>
</tr>
</tbody>
</table>

*Not CSA or NOM

20A 3 Pole, 4 Wire Commercial Specification Grade Locking Plugs and Connectors

**FEATUReS**
- Abuse resistant thermoplastic construction.
- Back wire Dead-Front design.
- External cable clamp provides firm strain relief.
- Back wire terminal clamps for easy secure wiring.
- Individual wiring compartments with tapered channel for easy insertion of wires.

<table>
<thead>
<tr>
<th>Rating</th>
<th>A/AC</th>
<th>NEMA</th>
<th>Description/ Cord Diameter</th>
<th>Color</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>125/250</td>
<td>L14-20</td>
<td>Straight: 0.25&quot;-0.69&quot;* (6.35mm-17.5mm)</td>
<td>Black &amp; White</td>
<td>L1420P L1420C</td>
</tr>
<tr>
<td></td>
<td>250V 3Ø</td>
<td>L15-20</td>
<td>Straight: 0.25&quot;-0.69&quot;* (6.35mm-17.5mm)</td>
<td>Black &amp; White</td>
<td>L1520P L1520C</td>
</tr>
</tbody>
</table>

NOTE: Weather Protective Covers and Boots from Cooper Wiring Devices that may be used with these products are described on pages E-71 and E-72 in this section.

TESTING & CODE COMPLIANCE
- Listed to UL 498 Receptacles: (file no. E15058).
- UL verified to Federal Spec. WC-596; Plugs & Connectors: (file no. E15012).
- Certified to CSA C22.2 no.42. Receptacles: (file no. LR6914 (6233-01)). Plugs & Connectors: (file no. LR2081 (6221-02)).
- NOM Certified, except as noted.

MATERIAL CHARACTERISTICS
Weather Protective Covers for Hart-Lock® Locking Devices

**Weather Protective Covers**

**FEATURES**

- **WLRD1 and WLRS1** are UL Listed, wet location covers closed and damp locations cover open or closed.
- **UL Listed, damp location cover open (with plug inserted) and wet location with cover closed.**
- **Receptacle covers are designed for use with FS/FD boxes.**
- **Self closing spring door assures full protection.**
- **WLRD1 and WLRS1 consist of die cast copper free aluminum with epoxy finish for maximum corrosion resistance.**
- **EPDM gasketing material on WLRD1 and WLRS1 provide excellent resistance to ozone, weathering and temperatures from -50°F to 260°F (-46°C to 127°C).**
- **All receptacle covers consist of die cast aluminum.**
- **For full list of weather proof covers, refer to Catalog Section "N: Weather Protective Devices".**

**Weather Protective Covers**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duplex receptacle cover, horizontal mounting.</td>
<td>WLRD1#</td>
</tr>
<tr>
<td>Single receptacle cover, vertical mounting, 1.38&quot; (34.9mm) face diameter.</td>
<td>WLRS1#</td>
</tr>
<tr>
<td>Single receptacle cover, vertical mounting, 1.56&quot; (39.6mm) face diameter</td>
<td>WLRS2#</td>
</tr>
<tr>
<td>Adapter, flush mounts above covers to standard boxes.</td>
<td>WLRA1</td>
</tr>
<tr>
<td>Duplex receptacle cover, vertical mounting.</td>
<td>7879FS†</td>
</tr>
<tr>
<td>Duplex receptacle cover, vertical mounting, yellow corrosion resistant.</td>
<td>7879FSCR†</td>
</tr>
<tr>
<td>Single receptacle cover, vertical mounting, 1.38&quot;-1.56&quot; (34.9mm-39.7mm) face diameter.</td>
<td>7420†</td>
</tr>
<tr>
<td>Single receptacle cover, vertical mounting, 1.38&quot;-1.56&quot; (34.9mm-39.7mm) face diameter, yellow corrosion resistant finish.</td>
<td>7420CR†</td>
</tr>
<tr>
<td>Adapter, flush mounts above covers to standard boxes.</td>
<td>7349</td>
</tr>
<tr>
<td>Glass reinforced nylon cover for 15A flanged inlets and outlets.</td>
<td>WP1*</td>
</tr>
<tr>
<td>Glass reinforced nylon cover for 20A and 30A flanged inlets and outlets.</td>
<td>WP2*</td>
</tr>
</tbody>
</table>

*Listed to UL 514C (file no. E2458) and CSA listed to C22.2 no. 18 (file no. LR7289).
#Listed to UL 514A (file no. E15022).
†Listed to UL 514A, cUL Listed to CSA C22.2 no. 18 (file no. E92122).
Weather Protective Boots for Hart-Lock® and Power-Lock® Locking Devices

**Weather Protective Boots**

**FEATURES**
- UL Listed to I.E.C. 529.
- Neoprene resists oil, grease, acids and has long life properties.
- Flexible and easy to apply to plug or connector.
- Cord hole opening can be cut away for large diameter cords.
- Carries IP55 environmental rating when proper boot is applied to mating plug and connector.

**Weather Protective Boots**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boot for 15 amp Hart-Lock® plugs when used with mating receptacle, outlet or connector when used with inlet.</td>
<td>BS1</td>
</tr>
<tr>
<td>Boot for 15 amp Hart-Lock® connector when used with mating plug (with BS1 boot)</td>
<td>BS2</td>
</tr>
<tr>
<td>Fits all 20 &amp; 30 amp 3-wire Hart-Lock® plugs when used with connector equipped with BM2, receptacle or outlet, all 20 &amp; 30 amp 3-wire Hart-Lock® connectors when used with inlet</td>
<td>BM1</td>
</tr>
<tr>
<td>Fits all 20 &amp; 30 amp 3-wire Hart-Lock® connectors when used with mating plug equipped with BM1</td>
<td>BM2</td>
</tr>
<tr>
<td>Fits all 4 and 5 wire Hart-Lock® plugs when used with connector equipped with BL2 receptacle or outlet, 4 and 5 wire Hart-Lock® connectors when used with inlet</td>
<td>BL1</td>
</tr>
<tr>
<td>Fits all 4 and 5 wire Hart-Lock® connectors when used with mating plug equipped with BL1</td>
<td>BL2</td>
</tr>
<tr>
<td>For 50A plug when used with receptacle, or for 50A connector when used with inlet or plug with 7717 boot.</td>
<td>7716</td>
</tr>
<tr>
<td>For 50A connector when used with 50A plug with 7716 boot.</td>
<td>7717</td>
</tr>
<tr>
<td>For 50A connector when used with a hull inlet.</td>
<td>77CR15</td>
</tr>
<tr>
<td>Short neoprene boot for midget plugs</td>
<td>74CM40</td>
</tr>
<tr>
<td>For 20A Power-Lock® plugs when used with mating receptacle outlet or connector (with 23025 boot) and connector when used with inlet</td>
<td>23024</td>
</tr>
<tr>
<td>For 20A Power-Lock® connector when used with mating plug (with 23024 boot)</td>
<td>23025</td>
</tr>
</tbody>
</table>