



UL | cUL | CSA
INDUSTRIAL

Industrial Locking and Straight Blade Devices

*The industry's broadest
line of Locking and Straight
Blade Devices delivers
superb performance in
the most demanding
environments.*

 **COOPER** Wiring Devices



Our Locking Devices and Straight Blade Plugs and Connectors feature industrial strength, performance and unsurpassed quality.

In addition to reliable performance in even the toughest environments, our rugged Locking Devices and Straight Blade Plugs and Connectors give you more diversity, more features and more attention to detail than any other products on the market today. In fact, Cooper Wiring Devices manufactures one of the most comprehensive offerings of heavy-duty industrial specification grade products in the industry.

We are always searching and striving for ways to make our products better and we've designed in many exclusive and ingenious features that make our products a superior



value. Quality and safety are the common denominators. Heavy duty brass and copper components, impact- and chemical-resistant nylon and other premium materials of construction deliver superior performance and durability.



We pride ourselves on not just meeting UL standards, but finding ways time and time again to exceed them – a fact we constantly verify in our UL certified testing facilities. All of our Locking Devices and Straight Blade Plugs and Connectors meet or exceed industry standards as required by the National Electrical Manufacturers Association, Underwriters' Laboratories and the General Services Administration (Fed. Spec.). And each of our industrial specification grade products is backed by a Limited 10-Year Warranty.

Put our products to the test in even the harshest environments.

Our Industrial Locking and Straight Blade Devices are built strong to withstand rugged use in even the most demanding environments, while ensuring long-term reliability, safety and performance. We challenge you to put our products to the test. They are prepared to excel in even the most abusive applications and meet the requirements of almost any industrial environment.

FEATURES AND BENEFITS

- **Designed, engineered and manufactured for high performance** that withstands even the most high abuse applications
- **Built to meet or exceed the latest, most stringent industry performance and design standards**
- **Designed for easy installation**, each finished device is inspected at the point of manufacture and tested for electrical and mechanical performance
- **Available in popular NEMA and non-NEMA configurations** for virtually every industrial application or use
- **Only Cooper Wiring Devices offers industrial specification grade Plugs and Connectors in two cable clamp designs: AutoGrip™ and Safety Grip™**
- **All devices are backed by our “No Excuses” Guarantee and Limited 10-year Warranty**



Applications

- High abuse areas of industrial plants
- Construction sites
- Equipment manufacturing
- Computer equipment areas
- Factories
- Maintenance facilities
- Chemical processing plants
- Food processing plants
- Countless other environments with harsh and abusive applications





Our tough, durable Hart-Lock® Locking Devices come in the broadest range of configurations in the industry.

“Comprehensive” is the best way to describe Cooper Wiring Devices’ line of tough industrial grade Black and White, Corrosion Resistant and Isolated Ground Locking Devices – in all NEMA configurations and most non-NEMA configurations. Ideal for extension cord replacement, portable power, generators, heavy equipment repair, temporary power and bus drops for industrial equipment, our Industrial Locking Receptacles, Plugs, Connectors, Flanged Inlets and Outlets are built to endure rugged use and provide long-lasting performance in the most demanding environments.

Cooper Wiring Devices Hart-Lock® Industrial Locking Devices are “contractor tough” and contain many innovative features that make our products a superior value. Captive terminal plates that travel with the screw instead of “floating” in

the chamber, and deep wiring wells that taper to guide in stranded wires are just two of the labor-saving features built into Cooper’s Hart-Lock® line of Industrial Locking Devices. While our devices were designed for high abuse areas, the locking mechanism engages and disengages easily, with a simple twist.

Enhancing our extensive line of Black and White Industrial Locking Devices are Corrosion Resistant and Isolated Ground Devices. The Corrosion Resistant Locking Devices feature nickel-plated terminals, blades and contacts, ideal for use in any environment prone to moisture and chemicals. For applications with sensitive electronic equipment, select from a line of Isolated Ground Locking Devices. Cooper’s Hart-Lock® Industrial Locking Devices meet the challenge of harsh industrial applications.

Locking Receptacles

Cooper Wiring Devices Hart-Lock® Locking Devices feature superior engineering and performance, as well as outstanding appearance and ease of installation.

TESTING & CODE COMPLIANCE

- Listed or recognized to UL 498
- Receptacles UL verified to Fed. Spec. WC-596
- cUL Certified to CSA C22.2 no. 42
- CSA Certified to C22.2 no. 42

MATERIAL CHARACTERISTICS

- Glass filled Nylon or Nylon
- Environmental Flammability per UL 94 Receptacles, V0 Plugs, Connectors, Flanged Inlets & Outlets, V2
- Temperature Rating Receptacles -40°C to 105°C Plugs & Connectors -40°C to 95°C Flanged Inlets & Outlets -40°C to 75°C

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

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

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



Compact body design allows for adequate wire room in wallbox.

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.

Locking Plugs and Connectors

Cooper Wiring Devices offers tough industrial specification grade Locking Plugs and Connectors in two cable clamp designs, AutoGrip™ and Safety Grip™, and a variety of NEMA configurations to meet every need and application.

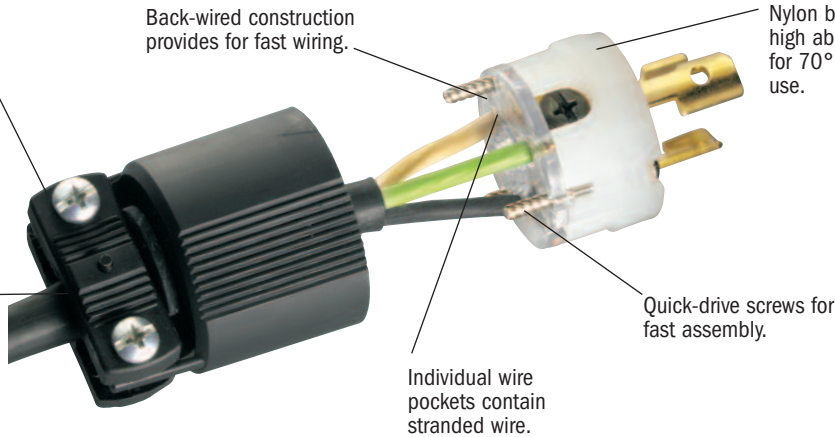
15A Plug and Connector

Safety Grip™: Dual range cord grip secures cord without crushing.

Back-wired construction provides for fast wiring.

Nylon body designed for high abuse areas, suitable for 70°C/158°F continuous use.

Neoprene cord hole seals and prevents dirt, moisture, or debris from entering terminal area.



Quick-drive screws for fast assembly.

Individual wire pockets contain stranded wire.

AutoGrip™: Automatic cord grip assembly saves wiring time.



20A & 30A Plug and Connector

Back wire terminals have lead-in tapers for ease of wiring.

Dead-front construction.

Clear cover over wiring compartments allows easy inspection of wiring terminations.

All-brass terminal screws and clamps for low-resistance conductor terminations.

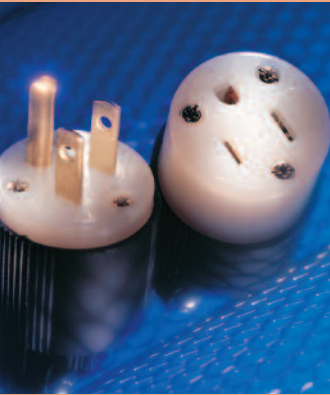
Neoprene dust and moisture cord seal limits entry of contaminants into terminal compartment.



Serrated terminal plates and contoured terminal clamps "bite" on the conductors for positive termination.

Inserts included to accommodate three separate cord grip ranges.

Heavy-duty Safety Grip™ external cord grip with fast-driving screws provides positive cord gripping and limits strain on conductors.



We offer one of the industry's largest selections of high-quality industrial strength Straight Blade Plugs and Connectors.

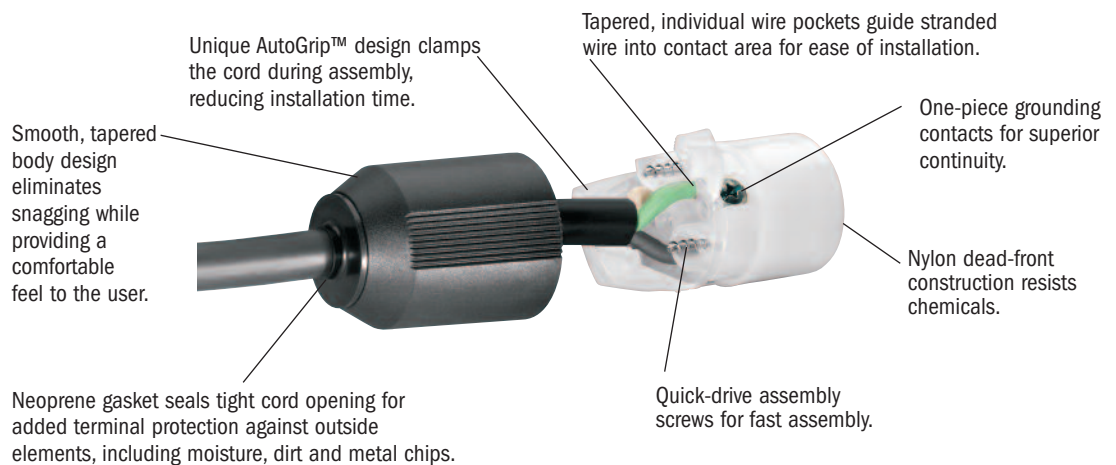
Not only does Cooper Wiring Devices make more Plugs and Connectors than any other manufacturer, we offer them in the widest range of configurations for virtually every application. Only Cooper carries both Safety Grip™ external cord clamp and AutoGrip™ internal cord clamp style devices, available in all popular NEMA configurations, with both straight and angled designs. Tapered wire pockets, quick-drive screws, clear terminal covers and backwiring make installation of Cooper's Industrial Straight Blade Plugs and Connectors fast and easy.

Ideal for high abuse industry applications including portable power, tool repair, extension cord repair, heavy equipment use, temporary

power, ranges and dryers and so much more, our Straight Blade Plugs and Connectors offer features unprecedented in the industry. For hospital applications, Cooper offers Straight Blade Devices which meet stringent hospital requirements including extensive abuse testing, a green dot and clear outer shell for ongoing wiring inspection. For corrosive applications, choose our corrosion resistant models, with nickel-plated blades, contacts and terminals for superior performance. And for applications such as temporary power supply and heavy-duty generators, our Flanged Inlets and Outlets are available in nylon. Cooper's Industrial Straight Blade Devices are high performance connecting devices for use in high abuse applications.

AutoGrip™ Series

Cooper Wiring Devices AutoGrip™ Plugs and Connectors feature an automatic internal cord grip for fast assembly, a backwired design for quick installation, plus a neoprene seal and nylon construction for long-term performance in abusive applications.



TESTING & CODE COMPLIANCE

- Listed to UL 498
- cUL Certified to CSA C22.2 no. 42
- CSA Certified to C22.2 no. 42

MATERIAL CHARACTERISTICS

- Nylon, Polycarbonate or PVC
- Environmental Flammability per UL 94, V2
 - Temperature Rating -40°C to 75°C

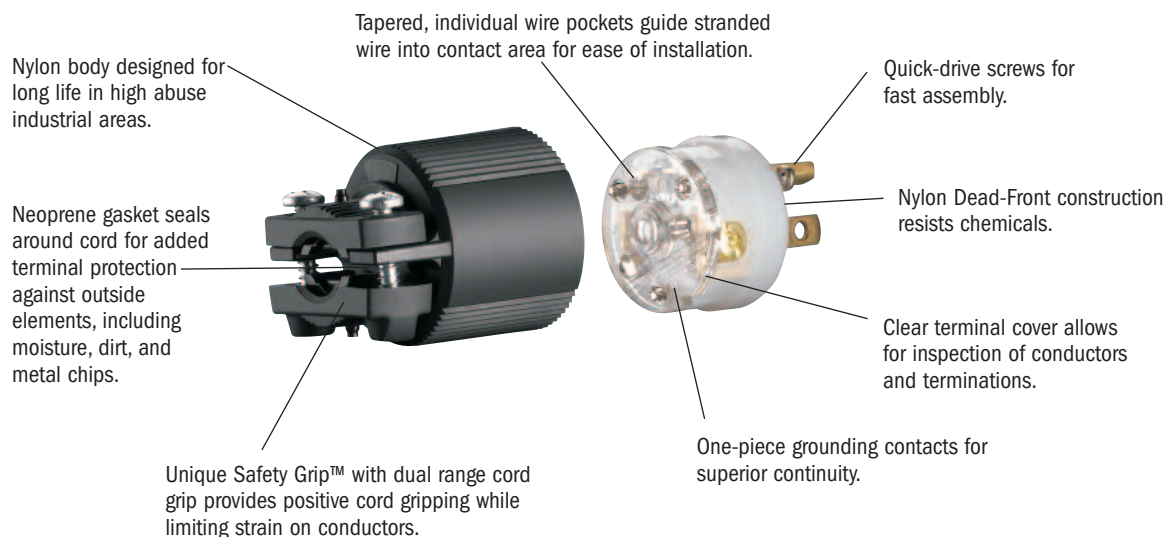
Industrial strength guaranteed for the toughest industrial standards.

What's the Cooper difference? It's the attention given to every detail of the design and manufacture. Our neoprene gaskets seal cord openings against moisture, dirt, metal chips, debris and other contaminants which can challenge the performance of any Plug and Connector. High quality nylon and thermoplastic materials ensure durability and long life under the most severe, high-abuse conditions. Cooper's exclusive dual-range Safety Grip™ external cord grip combines positive retention and strain relief for multiple cord diameters, while the unique mechanism of our AutoGrip™ design provides strong automatic internal clamping as the device is assembled.



Safety Grip™ Series













Our line of Safety Grip™ Plugs and Connectors combines durability and fast installation, and features an external cord grip, neoprene seal and nylon construction for reliable performance in the toughest conditions.






















Choose the industry's most complete line of industrial grade Locking Devices and Straight Blade Plugs and Connectors today.

We've made ordering easy.

Industrial Hart-Lock® Locking Devices Ordering Information

Amps	Volts	NEMA	Type	CWD Catalog Number					
				Receptacles		Plug	Connector	Flanged Inlet	Flanged Outlet
Single	Duplex								
2-Pole 2-Wire Non-Grounding									
15A	125V	L1-15 		CWL115R	7540	7546/7548	7506	CWL115FI	CWL115FO
20A	250V	L2-20 	POL	CWL220R		CWL220P CWL220P-6	CWL220C		CWL220FO
2-Pole 3-Wire Grounding									
15A	125V	L5-15 	AN IG CR IG CR	CWL515R IGL515R	4700 IG4700 CR4700	Safety Grip™ CWL515P CWL515PAN AutoGrip™ 4721N IG4721N 4721NCR	Safety Grip™ CWL515C CWL515CAN AutoGrip™ 4731N 4731NCR	CWL515FI	CWL515FO
<i>*Also available Combo Locking & SB (5792) Combo IG (IG5792), Combo CR (CR5792)</i>									
15A	250V	L6-15 	AN IG IG	CWL615R IGL615R	6580 IG6580	Safety Grip™ CWL615P CWL615PAN AutoGrip™ 6565N IG6565N	Safety Grip™ CWL615C AutoGrip™ 6566N	CWL615FI	CWL615FO
15A	277V	L7-15 	AN IG	CWL715R IGL715R	4750 IG4750	Safety Grip™ CWL715P CWL715PAN AutoGrip™ 4771N	Safety Grip™ CWL715C AutoGrip™ 4772N	CWL715FI	CWL715FO
20A	125V	L5-20 	IG CR	CWL520R IGL520R CRL520R		CWL520P IGL520P CRL520P	CWL520C CRL520C	CWL520FI	CWL520FO
20A	250V	L6-20 	IG CR	CWL620R IGL620R CRL620R		CWL620P IGL620P CRL620P	CWL620C	CW620FI	CWL620FO
20A	277V	L7-20 	IG	CWL720R IGL720R		CWL720P	CWL720C	CWL720FI	CWL720FO
20A	480V	L8-20 	IG	CWL820R IGL820R		CWL820P	CWL820C	CW820FI	CWL820FO
20A	600V	L9-20 		CWL920R		CWL920P	CWL920C	CWL920FI	CWL920FO
30A	125V	L5-30 	IG CR	CWL530R IGL530R CRL530R		CWL530P IGL530P CRL530P	CWL530C CRL530C	CW530FI	CWL530FO
30A	250V	L6-30 	IG CR	CWL630R IGL630R CRL630R		CWL630P CRL630P	CWL630C CRL630C	CWL630FI	CWL630FO

Key: AN - Angled, CR - Corrosion Resistant, IG - Isolated Ground, POL - Polarized

Amps	Volts	NEMA	Type	CWD Catalog Number					
				Receptacles		Plug	Connector	Flanged Inlet	Flanged Outlet
Single	Duplex								
2-Pole 3-Wire Grounding (Continued)									
30A	277V	L7-30 	IG	CWL730R IGL730R		CWL730P	CWL730C	CW730FI	CWL730FO
30A	480V	L8-30 	IG	CWL830R IGL830R		CWL830P	CWL830C	CWL830FI	CWL830FO
30A	600V	L9-30 		CWL930R		CWL930P	CWL930C	CW930FI	CWL930FO
3-Pole 3-Wire Non-Grounding									
15/10A	125/250V	Non-NEMA 	AN	7582	7580	Safety Grip™ 4767 4767AN AutoGrip™ 7567N	Safety Grip™ 4755 AutoGrip™ 7565N	7556C	7557C
20A	125/250V	Non-NEMA 		7310B		9965C	7314C	7327N	7328N
20A	125/250V	L10-20 		CWL1020R		CWL1020P	CWL1020C	CWL1020FI	CWL1020FO
20A	250V	L11-20 		CWL1120R		CWL1120P	CWL1120C	CWL1120FI	CWL1120FO
20A	480V	L12-20 		CWL1220R		CWL1220P	CWL1220C	CWL1220FI	CWL1220FO
30A	125/250V	Non-NEMA 		3330-2		3331N	3333N	3337N	3336N
30A	125/250V	L10-30 		CWL1030R		CWL1030P	CWL1030C	CWL1030FI	CWL1030FO
30A	250V 3Ø	L11-30 		CWL1130R		CWL1130P	CWL1130C	CWL1130FI	CWL1130FO
30A	480V 3Ø	L12-30 		CWL1230R		CWL1230P	CWL1230C	CWL1230FI	CWL1230FO
30A	600V 3Ø	L13-30 		CWL1330R		CWL1330P	CWL1330C	CWL1330FI	CWL1330FO
3-Pole 4-Wire Grounding									
20A	125/250V 3Ø	L14-20 	IG CR	CWL1420R IGL1420R CRL1420R		CWL1420P CRL1420P	CWL1420C CRL1420C	CWL1420FI	CWL1420FO
20A	250V 3Ø	L15-20 	IG CR	CWL1520R IGL1520R CRL1520R		CWL1520P CRL1520P	CWL1520C CRL1520C	CWL1520FI	CWL1520FO
20A	480V 3Ø	L16-20 	IG	CWL1620R IGL1620R		CWL1620P	CWL1620C	CWL1620FI	CWL1620FO
30A	125/250V	L14-30 	IG CR	CWL1430R IGL1430R CRL1430R		CWL1430P CRL1430P	CWL1430C CRL1430C	CWL1430FI	CWL1430FO
30A	250V 3Ø	L15-30 	IG CR	CWL1530R IGL1530R		CWL1530P CRL1530P	CWL1530C CRL1530C	CWL1530FI	CWL1530FO
30A	480V 3Ø	L16-30 	CR	CWL1630R		CWL1630P CRL1630P	CWL1630C	CWL1630FI	CWL1630FO

Key: AN - Angled, CR - Corrosion Resistant, IG - Isolated Ground, POL - Polarized

Accessories Ordering Information



WLRD1



WLRS1



7420CR



742WP1

WEATHER PROTECTIVE COVERS

CWD Catalog Number	Face Diameter	Description
Die Cast Aluminum		
WLRD1		Duplex Deluxe Die Cast Aluminum Cover, Horizontal Mount
WLRS1	1.38" (34.9mm)	Single Deluxe Die Cast Aluminum Cover, Vertical Mount for 15A Hart-Lock® Receptacles
WLRS2	1.56" (39.6mm)	Single Deluxe Die Cast Aluminum Cover, Vertical Mount for 20A and 30A Hart-Lock® Receptacles
WLRA1		Deluxe Die Cast Aluminum Adaptor, Flush Mounts WLRD1, WLRS1 and WLRS2 to Standard Boxes
7879FS		Duplex Standard Die Cast Aluminum Cover, Vertical Mount <i>Also available Corrosion Resistant (7879FSCR)</i>
7420		Single Standard Die Cast Aluminum Cover, Vertical Mount for 15A, 20A and 30A Hart-Lock® Receptacles <i>Also available Corrosion Resistant (7420CR)</i>
7349		Standard Die Cast Aluminum Adaptor, Flush Mounts 7879FS and 7420 to Standard Boxes
Glass Filled Nylon		
WP1	1.75" (44.45mm)	Single Glass Filled Nylon Vertical Mount Cover for 15A Hart-Lock® Flanged Inlets and Outlets
WP2	2.25" (57.15mm)	Single Glass Filled Nylon Vertical Mount Cover for 20A and 30A Hart-Lock® Flanged Inlets and Outlets

TESTING & CODE COMPLIANCE

- Die Cast Aluminum Covers: Listed to UL 514A (except WLRA1, 7349)
- Glass Filled Nylon Covers: Listed to UL 514C
- CSA Certified to C22.2, no. 18 (WLRD1, WLRS1 WLRS2, WP1 and WP2 only)
- cUL listed to CSA C22.2, no. 18 (7879FS and 7420 only)



MATERIAL CHARACTERISTICS

- Die Cast Aluminum: Temperature Rating -40°C to 105°C.
- Glass Filled Nylon: Temperature Rating -40°C to 115°C.

Cooper Wiring Devices is a division of Cooper Industries that offers more than 10,000 quality electrical wiring devices for industrial, commercial and residential applications.

Distributed by:

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