



INDUSTRIAL
COMMERCIAL
RESIDENTIAL

A-Intro-1 STRAIGHT BLADE RECEPTACLES

Straight Blade Receptacles

Straight Blade Receptacles

Cooper Wiring Devices receptacles have been designed to provide long-term reliability and ease of installation for a wide variety of applications. They have been engineered to meet and exceed the latest and most severe industry performance standards of the National Electrical Manufacturers Association, Underwriters Laboratories, General Services Administration and Federal Specifications as shown in this catalog.

Cooper's receptacles are precision-manufactured using the finest materials and designed with special features to give them an attractive appearance and make them easy to install. Whatever your application, you'll find a ruggedly built Cooper Wiring Devices receptacle on the following pages that meets the rating, style, and features you need.

Each of our products is inspected at the point of manufacture and thoroughly tested for electrical and mechanical performance as well as for safety characteristics before it is packed.

Hospital Grade Receptacles

Cooper Wiring Devices Hospital Grade receptacles are specially designed for use in all AC single-phase branch circuits and equipment, in hospitals and other health-related facilities as required by NEC® Article 517. Their structural integrity and unique safety features provide the highest level of performance under the most demanding conditions. Combined with industry exclusives such as the screw terminal guards and low heat, 5-leaf plug blade contacts, this line is truly unparalleled for long-term durability.

Industrial Specification Grade Receptacles

Cooper Wiring Devices superior design engineering and material specifications shines throughout this category: Fiberglass-reinforced bottom housings, tapered lead-in backwiring slots, extra-long mounting straps and our exclusive screw terminal guards feature prominently among them. For the safest, most reliable device in industrial locations, this level of specification is most appropriate.

Commercial Specification Grade Receptacles

Designed to fill the need for high-quality but moderately priced Specification Grade Devices, Cooper Wiring Devices also delivers many of its higher-end, fast installation features as well. Safe, reliable performance can be found in all types of applications within their ratings, and most further meet Federal Specification WC-596 where noted. Power outlets for range, dryer, welders and other high current applications also come in a wide variety of NEMA configurations.

Standard Grade Receptacles

Cooper Wiring Devices Standard Grade Receptacles are the industry's finest high-volume duplex receptacles for use in residential and light commercial applications. Contractor-designed features such as longer, wider mounting straps, high impact-resistant faces, and patented wallplate Screw-Catch™ feature ensures fast, easy installations with virtually no callbacks.

Specialty Receptacles

With a broad range of special application receptacles for new construction or renovation, the line includes isolated ground receptacles for noise-sensitive applications, CO/ALR receptacles for use on aluminum wiring and dual voltage receptacles for laboratory use. Cooper Wiring Devices' full line of snap-in receptacles cover a wide variety of OEM applications.

All of Cooper's Straight Blade Receptacles are Underwriters Laboratories (UL) Listed (except where noted). Many are also CSA certified or available as CSA certified. Please consult Cooper Wiring Devices Customer Service for availability. For Straight Blade Receptacles in our Decorator line, please see Section "B" of this catalog.

Straight Blade Receptacles

The Toughest Industrial Specification Grade Receptacles You Can Find Have One Name — Cooper.

Cooper Wiring Devices Industrial Specification Grade Receptacles are designed for hard use industrial, institutional and commercial applications demanding long-term reliability, low maintenance cost and assured performance.

Front View

Patented Screw-Catch™ speeds wallplate installation.

High impact and chemical resistant nylon face holds structural integrity, retains appearance; recessed lead-ins speed blade insertion, reducing “scarring” of face.

Wire stripping aid if hand tool isn't at hand.

Exclusive 5-leaf, solid brass plug blade contacts lower heat rise, provide consistent retention/release and superior electrical performance.

Exclusive screw terminal guards provide fast, easy insulation from conductive surfaces.

Tri-head combination brass terminal screws are backed out, staked and afford maximum installation flexibility.

Back View

Tapered lead-in backwiring slots speed securing up to #10 AWG—solid or stranded.

Solid one-piece brass grounding systems assures ground integrity under heaviest abuse.

Glass reinforced nylon base provides superior strength and high-heat resistance in contact carrier assembly.

Extra-long mounting straps help secure installation in poorly cut wall openings.



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A-Intro-3 STRAIGHT BLADE RECEPTACLES

Features and Benefits

Standard Grade 270 Series

Convenient built-in wire stripper provides backup or misplaced tools.

Longer, wider "bridged" mounting strap increases wallboard contact area, virtually eliminating floating installations.

Combination slot/Phillips head mounting and terminal screws ease installation with power screwdrivers.

Unbreakable thermoplastic face and back body eliminates call-backs due to job-site breakage.

Screw-Catch™ captures wallplate screw eliminating hand threading of screw, lost screws and cross-threading.

Wire looper designed to speed termination of both #14 and #12 wire.

Side located grounding screw backed out and ready to wire.

Commercial Specification Grade CR/BR Series

Convenient built-in wire stripper.

Deep recess lead-in slots for easy plug insertion—won't "scar" like smooth-faced receptacles.

Nylon face resists high impact and chemical abuse.

Patented Screw-Catch™ captures wallplate screw eliminating hand threading of screw, lost screws and cross-threading.

Sectioned body of heavy thermoplastic, keyed to steel strap for added strength and durability.

Double-wipe brass grounding assembly.

Sturdy, galvanized steel wraparound yoke.

Easy access to break-off tab for two circuit wiring.

Combination slot/Phillips head mounting and terminal screws.

Automatic grounding clip provides safe ground continuity between strap and metal enclosure — eliminates having to wire a bonding jumper.

One-piece, triple-wipe brass line contacts: superior design for minimum heat rise, maximum plug retention.

Green hex head grounding screw, backed out and staked for easy identification.

Straight Blade Receptacle Tests

To ensure safety and reliability, Cooper Wiring Devices Straight Blade Receptacles are tested, rated and marked according to various standards. The information below indicates the required performance tests specified by industry standards for electrical wiring devices.



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Receptacles		
Classification	Standards	Tests
Standard Grade	UL 498 NEMA WD-1	10 Cycles with Standard Plug Blades
		50 Cycles at 150% Rated Current
		Plug Retention-Hold 3 lbs. on 2 Pole Bladed Plug
		Plug Release-Release 15 lbs. on 2 Pole 3 Wire Plug
		30° Maximum Temperature Rise at Full Rated Current
Industrial Specification Grade and Commercial Specification Grade	UL 498 NEMA WD-1 and Fed. Spec. WC-596 (GSA)	All the Requirements of Standard Grade Plus:
		Total of 20 Cycles with Oversized Blades
		Contact Retention-1 1/2 lbs. on Single Undersized Power Blade, 4 oz. on Undersized Grounding Blade
		Total of 250 Cycles at 200% Rated Current
		100 lbs. for Through Strap Design 50 lbs. for Wraparound Strap Design
		Dielectric. 1000 + 2 x Rated Voltage
Hospital Grade	UL 498 (Hospital Grade) & 544	All the Requirements of Industrial Specification Grade Plus:
		Abrupt Plug Removal
		Impact
		Ground Contact Temperature
		Ground Contact Overstress
		Fault Current
		Mold Stress Relief
		Resistance
		Terminal Strength
		Assembly Security



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A-21 STRAIGHT BLADE RECEPTACLES

TESTING & CODE COMPLIANCE

- UL Listed: 1263, 1231, 1233: (file no. E15058), CSA file 6914 (6233-01), 83 & 41: UL (file no. E15012), CSA file 2081 (6221-02), 5716N to 498, meets UL Federal Spec. WC-596 (file no. E2369).
- CSA Certified to C22.2 no. 42.
- NOM Certified, except as noted.

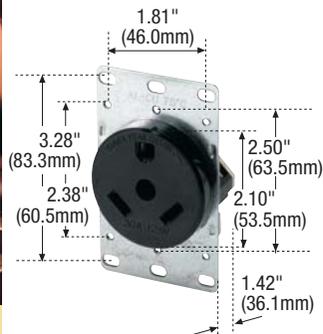
MATERIAL CHARACTERISTICS

Temperature Rating: -20°C (without impact) to 75°C max. continuous. 5716N: V2 rated; -40°C (without impact) to 105°C max. continuous.



Commercial Specification Grade Straight Blade Power Devices

2 Pole, 3 Wire Grounding
NEMA TT-30, 5-30
30A 125V



1263



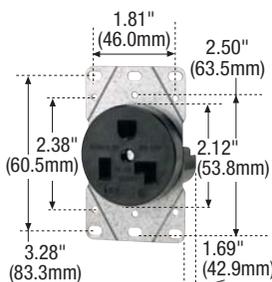
1264



1231



41



5716N

Power Devices

FEATURES

- Heavy gauge steel mounting strap zinc-plated for corrosion resistance.
- Receptacles for use with copper or aluminum wire.
- Surface receptacles have patented lay-in terminals and accept up to #4 wire.
- Universal plugs include blades for 30A configurations.
- Surface receptacles 0.75" (19.05mm) and 1.0" (25.4mm) concentric knockouts and adjustable cord clamp allow for wiring from bottom or back.
- Flush receptacles fit one or two gang enclosures.
- High strength glass reinforced nylon body resists breakage in high abuse areas for Catalog No. 5716N.

NEMA TT-30 Rating 30A 125V

Receptacles

Description	Color	Catalog No.
Flush	Brown	1263*
Panel Mount (by special order only)	Brown	U1263*

*Not NOM

Plugs

Description	Color	Catalog No.
Angle Travel Trailer	Black	83

Adapter

Description	Color	Catalog No.
Travel Trailer Plug to Female Receptacle - 15A or 20A 125V NEMA 5-15R or 5-20R	Black	1264†

†1264 is not CSA approved

NEMA 5-30 Rating 30A 125V

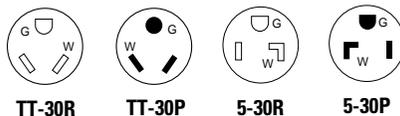
Receptacles

Description	Color	Catalog No.
Surface	Black	1231†
Flush	Black	5716N
Flush	Brown	1233

Plugs

Description	Color	Catalog No.
Angle Universal - Vinyl	Black	41

†Not UL Listed



TT-30

TT-30P

5-30R

5-30P