LEX PRODUCTS CORP.

We Deliver the Power™

Introducing Lex-Loc™

Simple! Fast! Easy! Reliable!

The World's First Cage Clamp NEMA Wiring Device

UL CSA

PowerPARTS™
Wiring Devices

V1-103007

Traditional Wiring Devices **Screw Type Terminals**

Since their invention in the late 1800s, virtually all electrical wiring devices have had one common feature: the screw type terminal.

Although screw terminations are functional they do have a flaw: ***Screw Terminals loosen.***

Screw Terminals may loosen due to **VIBRATION** from motors or transport.

After screw termination is made, the fine copper strands tend to shift, allowing the screw to loosen. This phenomenon is called **CREEP**. It leads to heat rise, more loosening, and often device failure.

Screw terminals also loosen because they are not tight enough in the first place.

Unless you use a torque-measuring screwdriver, it is nearly impossible to know if you are making a proper termination.

Wiring Devices *Re-Invented*: **Cage Clamp Terminals**

Patented

The cage clamp terminals are based on the concept of using ***spring pressure*** instead of screws to make the termination. The spring delivers a pre-determined amount of pressure and automatically adjusts to shifting strands (creep).

This revolutionary design utilizes ***color coded cam levers*** to open and close the chambers that accept the conductors.

Users simply strip the conductor using the gauge on the device, open the terminal by hand, insert the conductor and close the lever.

All cam levers open, ready to accept stripped conductors.

All levers are closed, prior to assembly.

Terminal Identification:
Lever colors identify hot (black), neutral (white) and ground (g[illegible]).

Lex-Loc™ Features & Benefits

- Two fast travel assembly screws further reduce labor
- Long deep wire funnels aid in precise insertion of wires
- All black color blends into scenery for theatrical and motion picture applications
- Prevents overheating and device failure due to loose terminations
- Saves installation time; eliminates the step of opening / closing terminals with a screwdrive.
- Beefy external cord clamp with inserts for smaller cords, provide excellent strain relief
- Patented design ensures a perfect electrical connection every time

Lex-Loc™ Catalog &: Ordering Information

15 & 20 Amp Straight Blade

			NEMA CONFIGURATION		CONNECTOR [1]		PLUG [1]	
					Individual	OEM Pack	Individual	OEM Pack
15	2P 3W	125	 5-15R	 5-15P	X515C	X515COEM	X515P	X515POEM
15	2P 3W	250	 6-15R	 6-15P	X615C	X615COEM	X615P	X615POEM
20	2P 3W	125	 5-20R	 5-20P	X520C	X520COEM	X520P	X520POEM

Ordering Options

[1] *OEM pack devices are 50 pieces per pack.*

Lex-Loc™ : Specifications

Designed for Durability

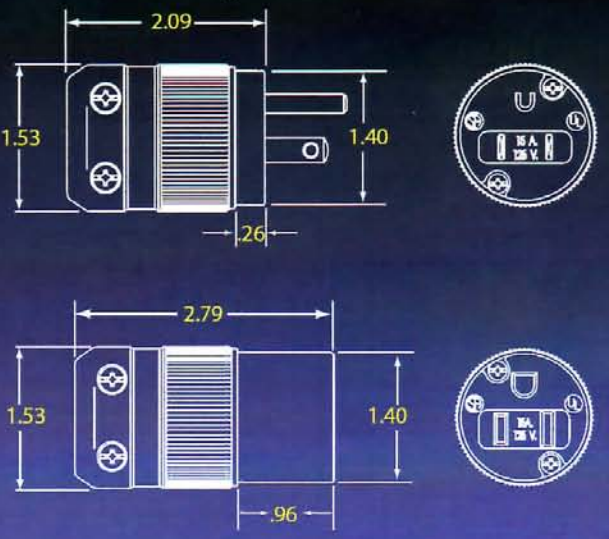
Lex-Loc™ devices meet or exceed Hospital Grade U.S. tests. Devices conform to U.S. Standards for hospital equipment, #498 and #544, including:

- *Abrupt plug removal (parallel to wall) test*
- *Ground contact temperature test*
- *Ground resistance test*
- *Grounding contact overstress test*
- *Assembly security test*
- *Mold stress relief test*
- *Crush test*
- *Cord grip strain relief tests*
- *Static cord pull test*
- *Rotary cord pull test*
- *Impact resistance test*
- *Mechanical drop test*

Construction

Housing and Body: Nylon – Tough and resistant to a wide range of chemicals.U.L.Recognized for 125°C continuous use. U.L.94V-2 Flammability Index. Beveled design to resist snagging.

Blades and Contacts: Solid brass for excellent conductivity
Terminal Cover: Clear polycarbonate – terminals visible
Assembly Screws: Two U-drive combination slot/crosshead



Mechanical

Accommodates 18/3 SJ through 10/3 S cable
Cord Accommodation (with inserts): .300"- .430"
Cord Accommodation (inserts removed): >.430"- .655"

U.L.Listed File E57672
C.S.A.Certified File LR81290

Electrical

Dielectric Withstand Voltage: >3,000V
Heat Rise: Maximum 30°C after 100 cycles at 150% of rated current
Current Interrupting: Yes

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