

Locking Data Center Power Cables



Locking Data Center Power Cables are used in data centers to prevent against accidental disconnects.

There are many types of locking plugs and connectors, all of which serve a specific purpose.

P-Lock

P-Lock power plugs are a special type of locking mechanism that mate with P-Lock outlets/receptacles on PDUs. The P-Lock will only lock using these special receptacles, which are found on ServerTech, Raritan, and GELU power distribution units. The P-Lock is a very good locking mechanism because it locks on both sides of the plug body, providing a very secure lock.

Dual-Lock

Dual-Lock power cords have locking mechanisms on both ends of the cord. On the male side of the cord, the cord features the P-Lock mechanism to mate with ServerTech, Raritan, and GELU power strips. The female end uses a universal locking mechanism to lock onto any inlet on a device, regardless of brand.

The cords are perfect for mission-critical, high-availability data centers that cannot risk any system downtime.

A-Lock

A-Lock power cords utilize a universal locking mechanism only on the female end of the cord. This locking mechanism will work with any inlet, regardless of brand. The A-Lock uses tabs on either side of the connector, which when pressed in, unlocks the c

IEC 60320 C13 Locking (A-Lock)



The IEC 60320 C13 is a grounded 3 Wire connector rated up to 250V and 15 Amps. The C13 mates with a C14 inlet, and is commonly used in a jumper cable scenario in IT Installations providing power from a PDU to a server, router, switch or other computing device. Most people know the C13 as 'the thing that plugs into my computer' because it is the standard connector used to power most desktop computers. In a desktop computer application, the most common cable is the NEMA 5-15P to C13, which connects your standard North American wall outlet to a desktop computer. The A-Lock feature can be used on any standard C14 inlet, it can be disconnected by pulling back on the red tabs on the side of connector head.

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IEC 60320 C15 A-Lock



The IEC 60320 C15 is a grounded 3 Wire connector rated up to 250V & 10 Amps Internationally and 125V/250V & 15 Amps in North America. The C15 mates with a C16 inlet as well as a C14 Inlet and is commonly used in IT Installations providing power from a PDU to a server, router, switch or other computing device. The C15 is a HIGH TEMPERATURE connector rated up to 120°C, unlike the 70°C rating of the C13. The C15 is commonly used in in electric kettles and other household appliances that involve higher temperatures than a normal C13 is made to withstand. The C15 connector is commonly used with 18awg SJT(OW), 16awg SJT(OW), and 14awg SJT(OW).

IEC 60320 C19 A-Lock



The IEC 60320 C19 is a grounded 3 Wire connector rated up to 250V and 20 Amps. The C19 mates with a C20 inlet, and is commonly used in a jumper cable scenario in IT Installations providing power from a PDU to a server, router, switch or other computing device. The C19 is typically used in high powered blade server chassis, large network routers, and other IT equipment that draws more power than a standard C13 can accommodate. The A-Lock feature can be used on any standard C2 inlet, it can be disconnected by pulling back on the red tabs on the side of connector head.

IEC 60320 C14 P-Lock



The IEC 60320 C14 is a grounded 3 Wire Plug rated up to 250V and 15 Amps. The C14 mates with a C13 outlet, typically found on Data Center/IT specific PDUs (Power Distribution Unit). The IEC 60320 C14 is typically used with either 18awg SVT, 18awg SJT(OW), 16awg SJT(OW) or 14awg SJT(OW). The types of cordages used will change the rating of the overall cord set. The P-Lock feature securely locks the plug into place when used with a standard C13 inlet. The Locking Plug helps ensure a secure connection between the cable and the pdu, reducing accidental power loss to equipment due to loose connections.

IEC 60320 C20 P-Lock



The IEC 60320 C20 is a grounded 3 Wire connector rated up to 250V and 20 Amps. The C20 mates with a C19 inlet, and is commonly used in a jumper cable scenario in IT Installations providing power from a PDU to a server, router, switch or other computing device. The C20 is typically used in high powered blade server chassis, large network routers, and other IT equipment that draws more power than a standard C13 can accommodate. The P-Lock feature securely locks the plug into place when used with a standard C19/2 inlet. The Locking Plug helps ensure a secure connection between the cable and the pdu, reducing accidental power loss to equipment due to loose connections.

IEC 60320 C14 Locking (V-Lock)



The IEC 60320 C14 is a grounded 3 Wire Plug rated up to 250V and 15 Amps. The C14 mates with a C13 outlet, typically found on Data Center/IT specific PDUs (Power Distribution Unit). The IEC 60320 C14 is typically used with either 18awg SVT, 18awg SJT(OW), 16awg SJT(OW) or 14awg SJT(OW). The types of cordages used will change the rating of the overall cord set. The locking mechanism is released by pressing the release lever. With its bright yellow color, it is easily recognizable and distinguishes this system from conventional connections. The pull-out force is at least 200 N.

IEC 60320 C20 Locking (V-Lock)



The IEC 60320 C20 is a grounded 3 Wire Plug rated up to 250V and 20 Amps. The C20 mates with a C19 outlet, typically found on Data Center/IT specific PDUs (Power Distribution Unit). The most common configuration for a C20 is in a jumper cable scenario, providing power from a PDU to a blade server chassis, high powered server, large network router, or similar device. The locking mechanism is released by pressing the release lever. With its bright yellow color, it is easily recognizable and distinguishes this system from conventional connections. The pull-out force is at least 200 N. The V-Lock Locking mechanism will only engage with the matching connector

IEC 60320 C13 Locking (V-Lock)

The IEC 60320 C13 is a grounded 3 Wire connector rated up to 250V and 15 Amps. The C13 mates with a C14 inlet, and is commonly used in a jumper cable scenario in IT Installations providing power from a PDU to a server, router, switch or other computing device. Most people know the C13 as 'the thing that plugs into my computer' because it is the standard connector used to power most desktop computers. In a desktop computer application, the most common cable is the NEMA 5-15P to C13, which connects your standard North American wall outlet to a desktop computer. The locking mechanism is released by pressing the release lever. With its bright yellow color, it is easily recognizable and distinguishes this system from conventional connections. The pull-out force is at least 200 N. The V-Lock Locking mechanism will only engage with the matching .

IEC 60320 C19 Locking (V-Lock)

The IEC 60320 C19 is a grounded 3 Wire connector rated up to 250V and 20 Amps. The C19 mates with a C20 inlet, and is commonly used in a jumper cable scenario in IT Installations providing power from a PDU to a server, router, switch or other computing device. The C19 is typically used in high powered blade server chassis, large network routers, and other IT equipment that draws more power than a standard C13 can accommodate. The locking mechanism is released by pressing the release lever. With its bright yellow color, it is easily recognizable and distinguishes this system from conventional connections. The pull-out force is at least 200 N. The V-Lock Locking mechanism will only engage with the matching plug.

Subcategories



IEC 60320 P-Lock (male) Power Cords

IEC 60320 P-LOCK Power Cords feature a locking plug (male) that securely locks into place when used with a matching inlet. P-LOCK Power Cords are used with Server Technology, Raritan and Emerson Vertiv PDUs (Power Distribution Unit) to supply power from the PDU to a server, router, or switch. The Locking Plug helps ensure a secure connection between the cable and the pdu, reducing accidental power loss to equipment due to loose connections. We stock a wide array of lengths, colors, and configurations to meet your specific need. Standard jacket color is black; however, RED and BLUE locking IEC power cables are used to help identify primary and secondary power sources. Standard jackets are SVT and SJT, standard gauges are 18awg, 14awg, and 12awg. Typical applications: Data Centers, Medical Devices, Automation Industry, Industrial Equipment, Architectural Devices, Broadcasting Stations, and Critical Power Management.



IEC 60320 V-Lock (male+female)

V-Lock Power Cords are used with APC AP8000 series PDUs to lock the C14 or C20 Plug into the PDUs C13 or C19 outlet receptacle. This creates a secure connection between the IEC 60320 power cord and the PDU, ensuring they do not become accidentally disconnected, which may have serious consequences when powering electrical appliances. The V-Lock also has a locking connector, allowing it to securely lock into the device (typically a server or networking device). We have a variety of amperages, colors, and plug configurations to help you find the correct cable for your project or IT Installation.



A-Lock Power Cords - NEMA + IEC

A-Lock Power Cables feature a **universal** locking mechanism on the female end of the cable that locks into place on any matching inlet. A-Lock Power Cables are commonly used in data centers and well as with OEMs to ensure secure connections to equipment. These are especially useful in applications with heavy vibration that could cause a standard connector to become disconnected.



Dual Locking Power Cord

Dual Locking (P-Lock) Power Cord