

Apsimoon Electric Pte Ltd is a wholly owned subsidiary of Top Electric (Tianjin) Co., Ltd. The company is established to improve overseas supporting services and expand overseas markets, selectively aiming at the data center, small industrial automation, and telecommunications companies, that have strong demand for the high-performance IT equipment.



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File Version Number: Doc 10002.3.1

IEC-Locking Power Cord



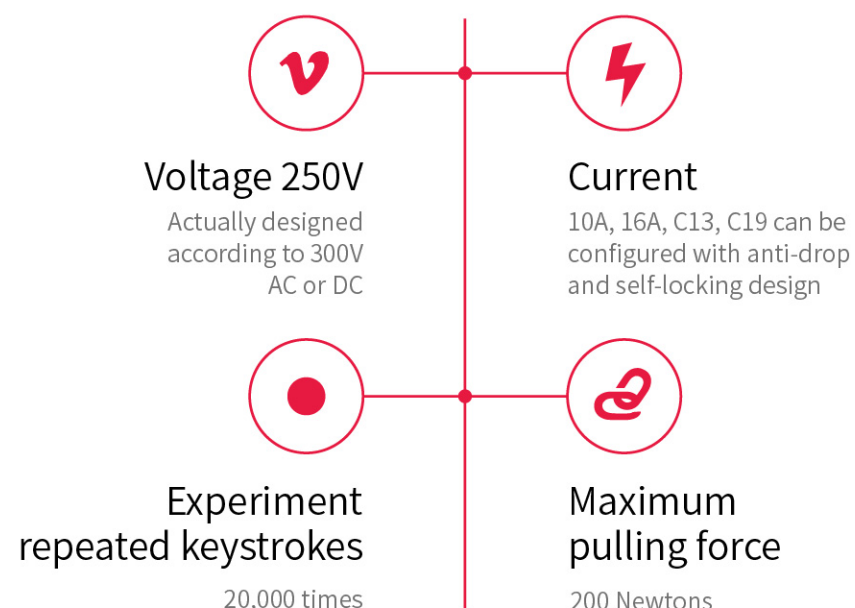
Apismoon are designed IEC-locking power cord to prevent accidental disconnection of electrical equipment with an IEC inlet. The cord effectively reduce the possibility of downtime of critical equipment.



FEATURES

- Power cord with locking system for IEC inlets
- No accidental disconnection
- Protection class I
- Suitable for use with any C14 inlet or C20 IEC inlet
- Easy operation without interference
- Maximum pin temperature of +70°C

Parameters



IEC-locking power cord

We provide a preventing accidental disconnection solution from the server to the PDU. Products include C13/C19 IEC-locking outlet, AWG 16-18 power cord (standard size is AWG17, which can be customized), C14/C20 inlet, and other standard inlets. This series is features a voltage rating of 10A/250VAC, having met UL498, and IEC / EN 60320-1 standards.



Product function description

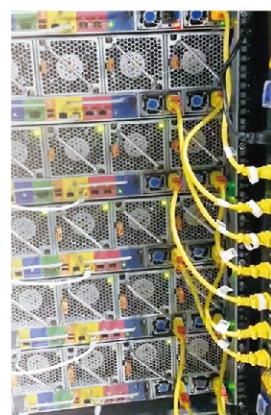
The IEC-locking power cord can be locked automatically after the C13 or C19 plug is inserted into the C14 or C20 inlet to avoid accidental disconnection and power equipment downtime. Apsilogik power connector with IEC lock guard against accidental disconnection of all power equipment with an IEC inlet. No exchange or modification of the IEC inlet is needed. Easy operation for all power equipments and devices.

Note: The self-locking Structure of the IEC-locking power cord is designed into the C13 or C19 plug, and can be automatically locked when plugged into the C14 or C20 inlet . No modification is required of existing IEC inlets .

Data center IEC-locking power cord applications

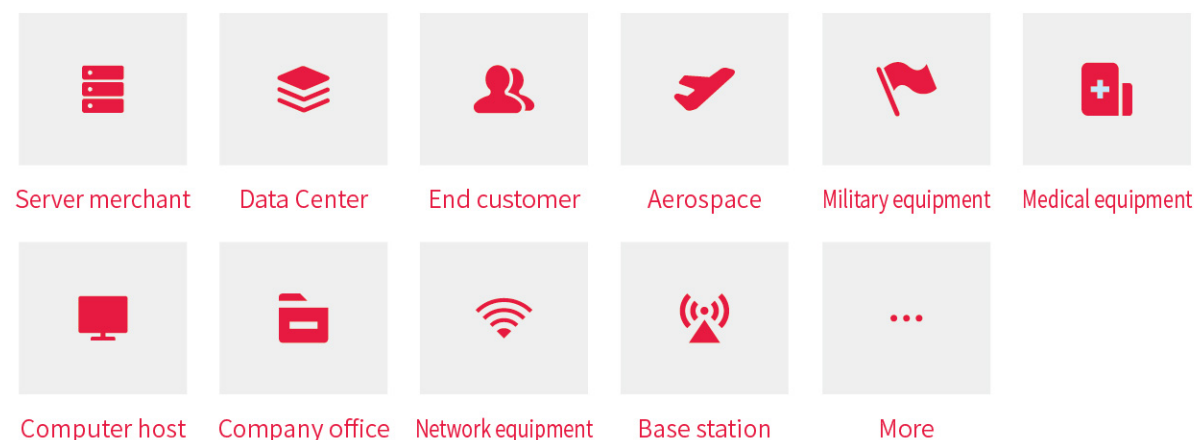
Traditional IEC power cords are divided into 10A and 16A according to the load.. To ensure the reliability of the server's power supply,Data centers usually have two power supplies . When one power supply is cut off, the other one can independently meet the power supply requirements.

However, in actual situations, there is a certain probability that the power cord could fall off due to the vibration of the rack server fan and the improper operation of the maintenance person. Therefore, server manufacturers generally configure nylon bandages to fix the power interface, but this method is labor-intensive and inefficiency.



Typical applications

IEC-locking power cord can be used in data center, outside broadcasting, medical devices, industrial equipment and electronic sports and so on.



Product features

■ Reliable

The IEC-locking function is designed to be very reliable. It will not cause the power cable to fall off under the condition of applying 200N tensile force (The operating position of the Locking is at the end of the plug, and it will not interfere with the Server PSU or other equipment when power cord is plugged in)

■ Cost Saving

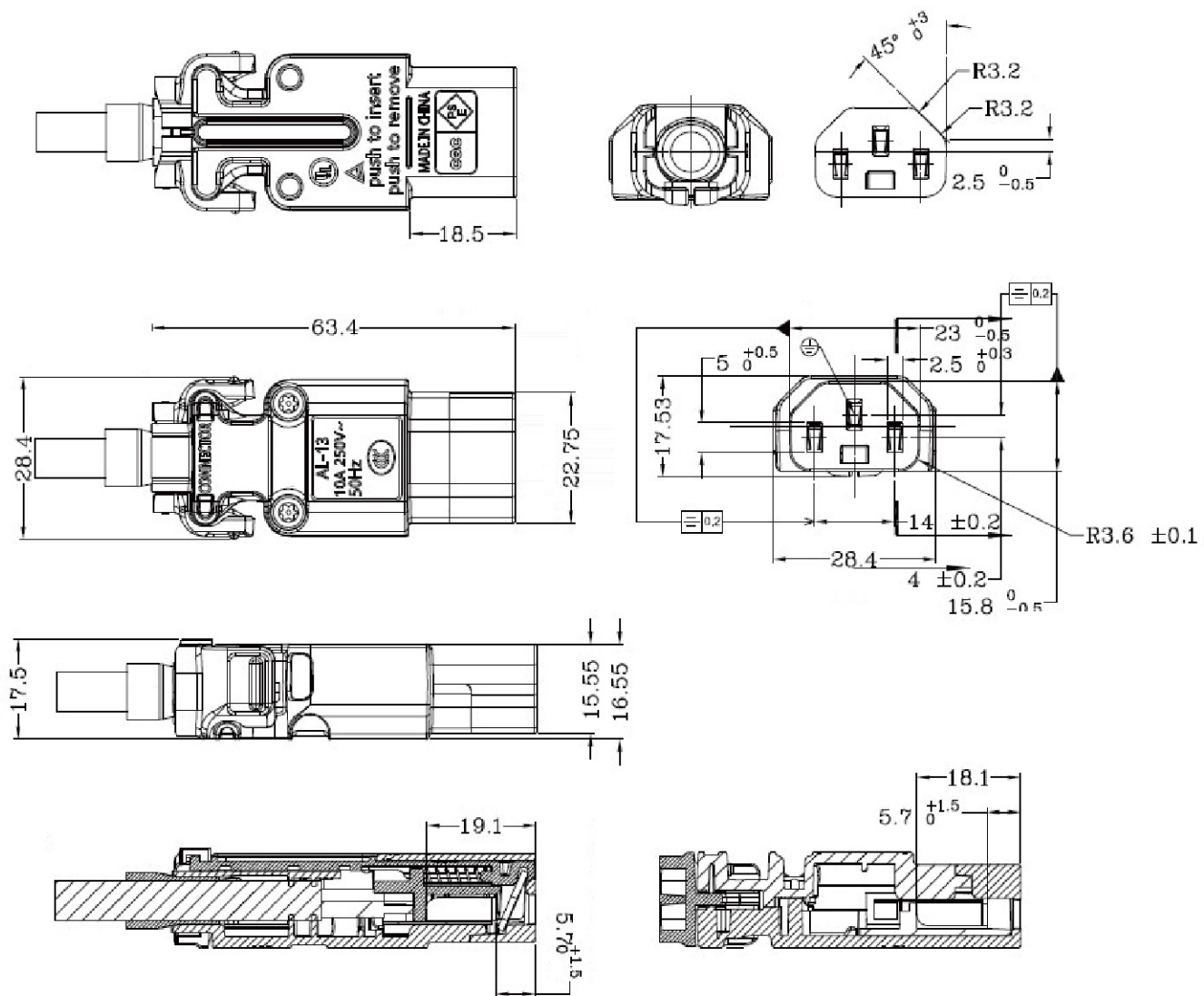
Since the IEC-locking power cord is reliable enough, there is no need to reserve the length of the cable, and the length of the power cord can be shortened In addition, the power cord does not need to be wired and fixed with nylon bandages, which saves labor costs.

■ Simple

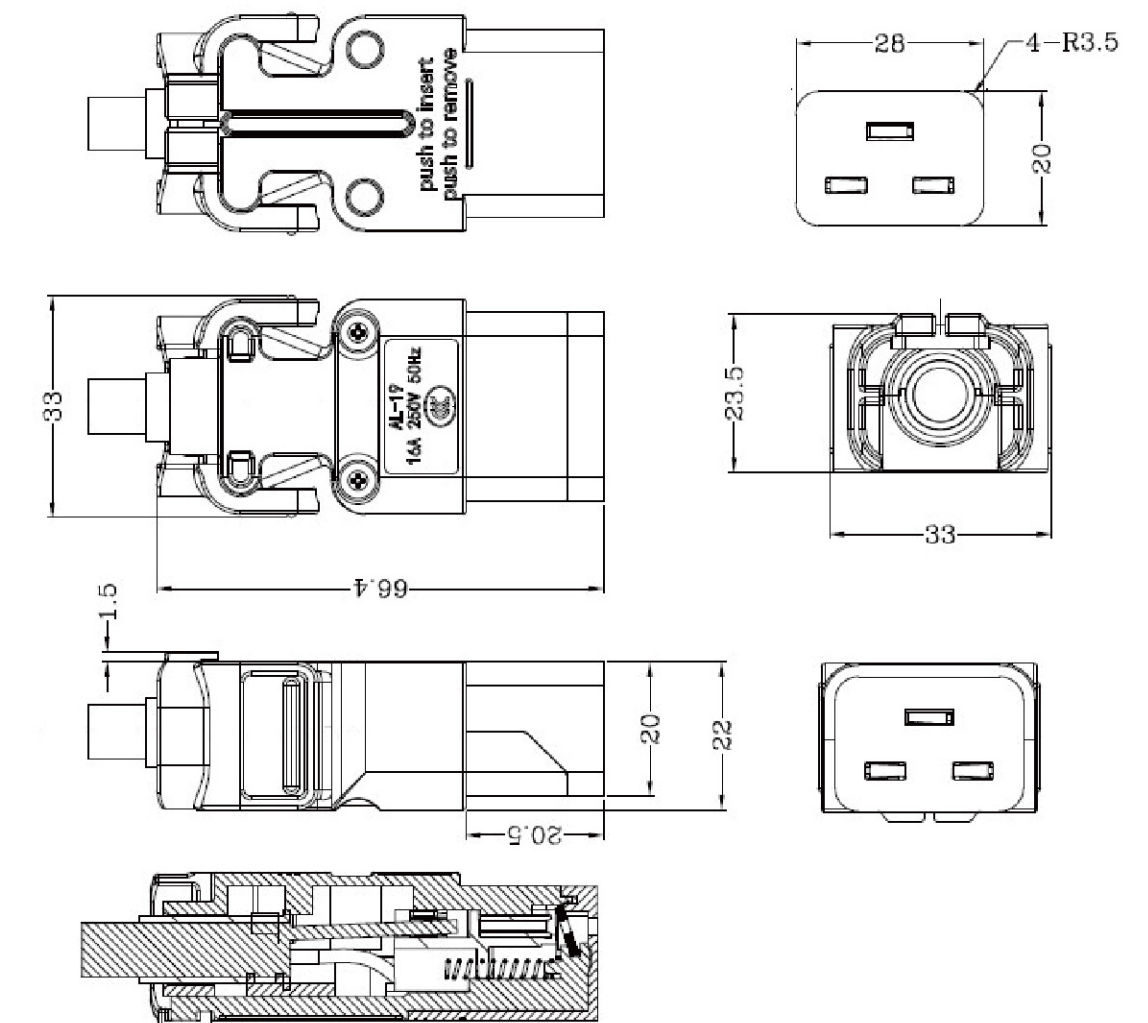
The use of IEC-locking power cord can improve airflow efficiency and reduce air conditioning utilization. Traditional power cables are densely packed in the rack, which generates heat while resistance the flow of air in the rack, reducing the efficiency of air conditioning. The application of IEC-locking power cables make the installation of rack equipment easier, and the arrangement of power cables in the rack is more concise, improving airflow efficiency.



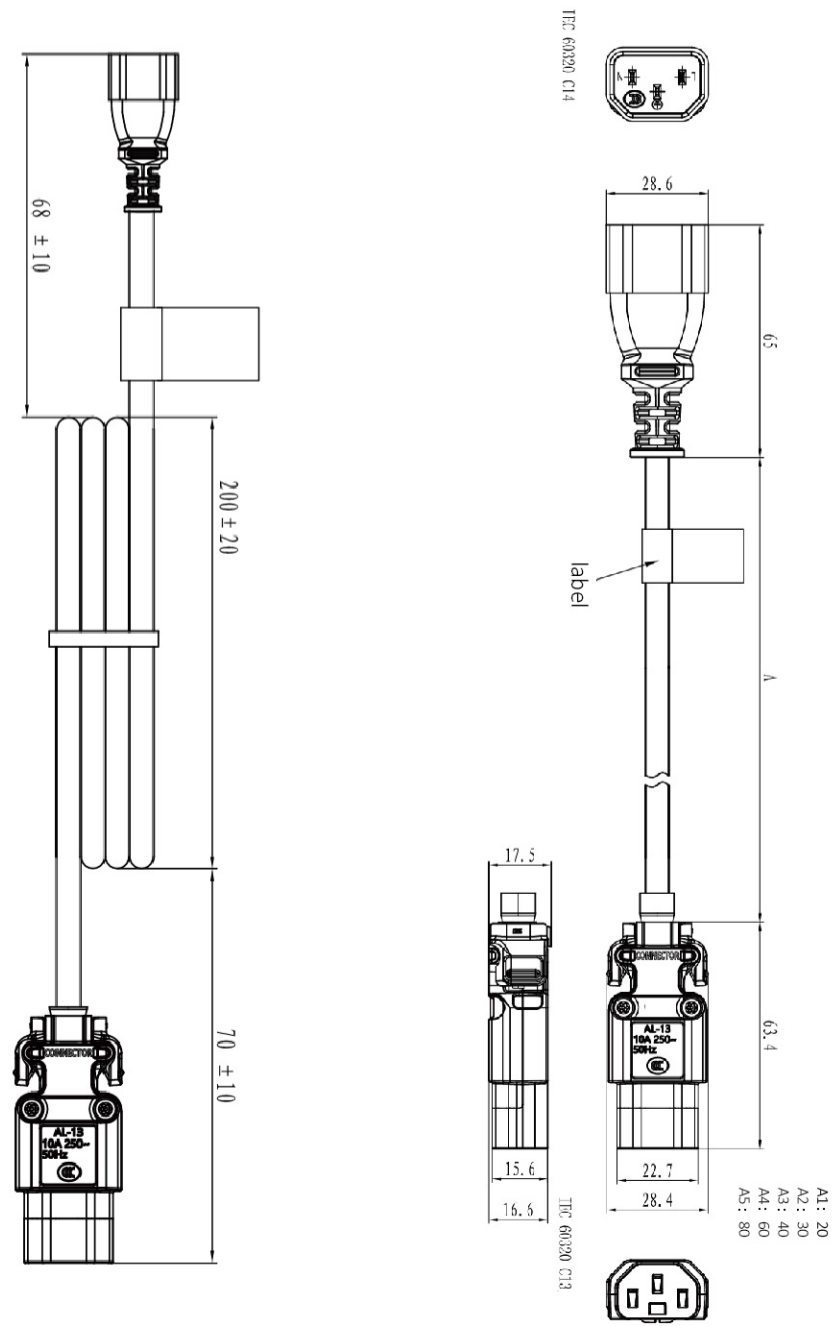
IEC-locking outlet drawing-C13



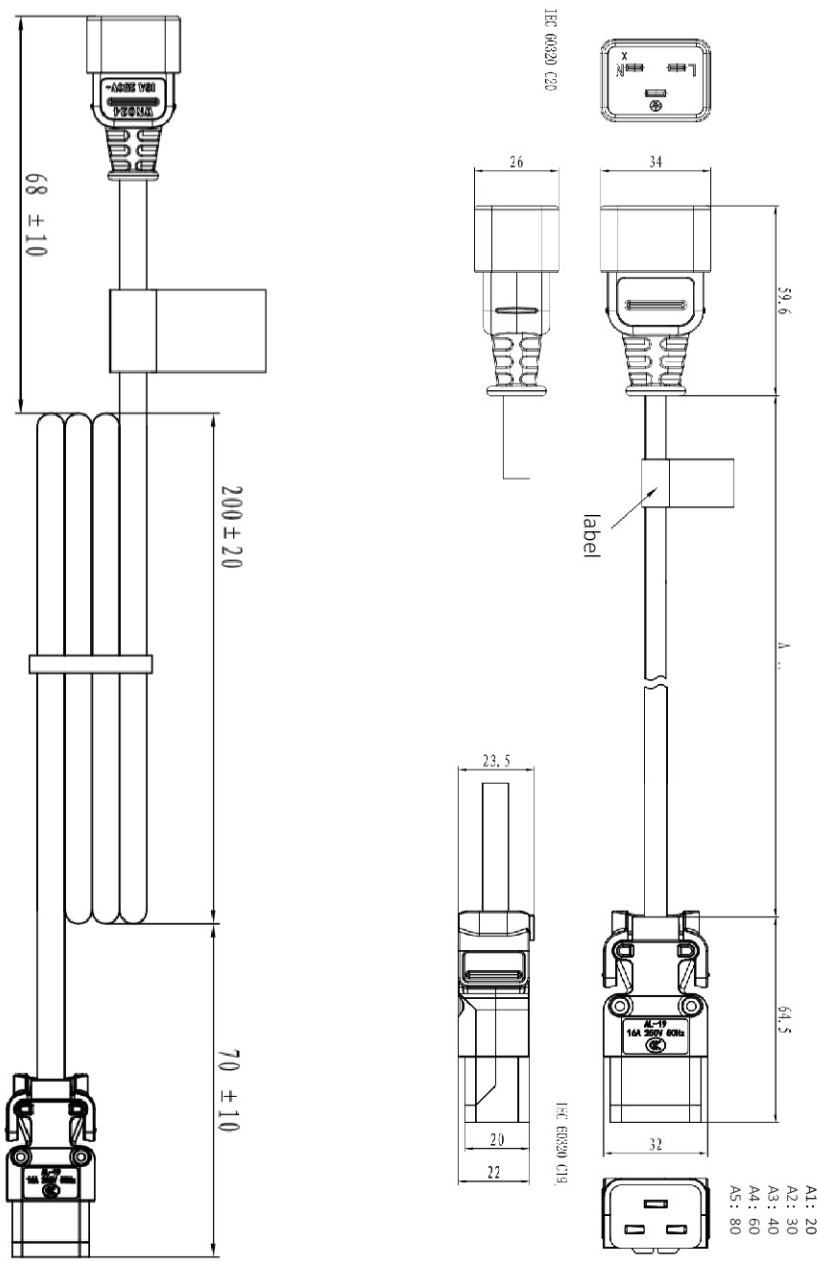
IEC-locking outlet drawing-C19



IEC-locking outlet drawing-C13-C14

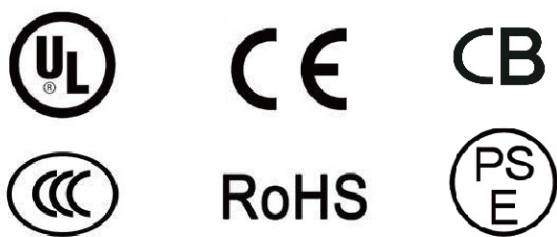


IEC-locking outlet drawing-C19-C20



Approvals and compliance

C13 and C19 self-locking plugs have obtained China 3C certification and have obtained CE, RoHS, PSE, UL, TUV, CB.



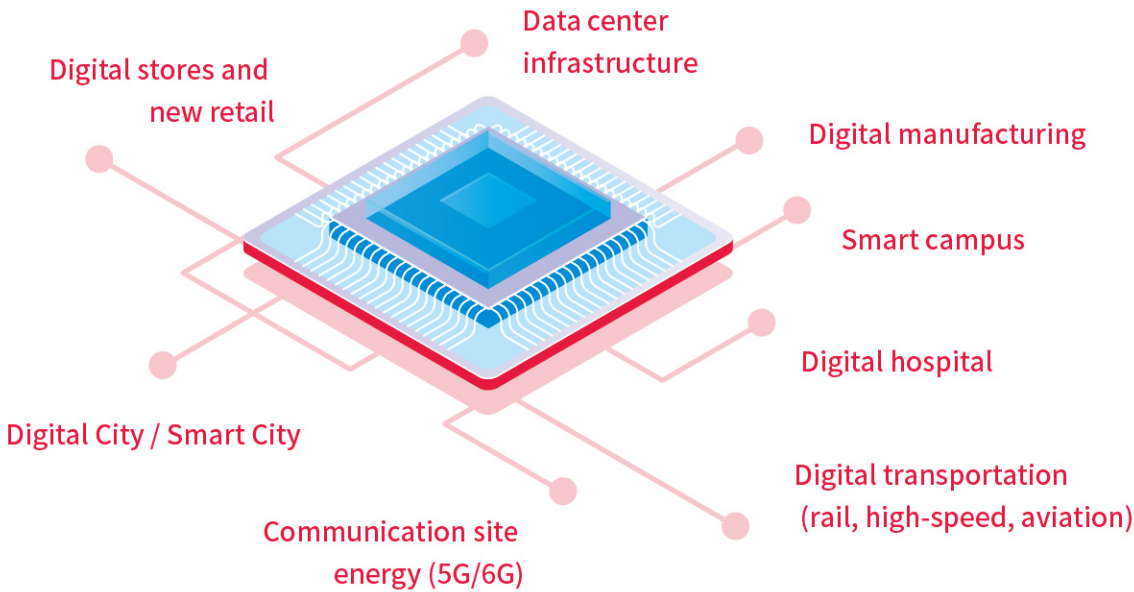
Product List

NO.	PN	Voltage	Current	Wire Gauge	Cord Length (Inches)	Wire Gauge	Plug	Inlet	Certifications
1	AL-C1310055AC14-G	208-250V	10A	AWG17	20	Yellow	C13	C14	UL/TUV/CB/PSE
2	AL-C1310055BC14-G	208-250V	10A	AWG17	20	Black	C13	C14	UL/TUV/CB/PSE
3	AL-C1310075AC14-G	208-250V	10A	AWG17	30	Yellow	C13	C14	UL/TUV/CB/PSE
4	AL-C1310075BC14-G	208-250V	10A	AWG17	30	Black	C13	C14	UL/TUV/CB/PSE
5	AL-C131010AC14-G	208-250V	10A	AWG17	40	Yellow	C13	C14	UL/TUV/CB/PSE
6	AL-C131010BC14-G	208-250V	10A	AWG17	40	Black	C13	C14	UL/TUV/CB/PSE
7	AL-C131015AC14-G	208-250V	10A	AWG17	60	Yellow	C13	C14	UL/TUV/CB/PSE
8	AL-C131015BC14-G	208-250V	10A	AWG17	60	Black	C13	C14	UL/TUV/CB/PSE
9	AL-C131020AC14-G	208-250V	10A	AWG17	80	Yellow	C13	C14	UL/TUV/CB/PSE
10	AL-C131020BC14-G	208-250V	10A	AWG17	80	Black	C19	C20	UL/TUV/CB/PSE
11	AL-C1916055AC20-G	208-250V	16A	AWG15	20	Yellow	C19	C20	UL/TUV/CB/PSE
12	AL-C1916055BC20-G	208-250V	16A	AWG15	20	Black	C19	C20	UL/TUV/CB/PSE
13	AL-C1916075AC20-G	208-250V	16A	AWG15	30	Yellow	C19	C20	UL/TUV/CB/PSE
14	AL-C1916075BC20-G	208-250V	16A	AWG15	30	Black	C19	C20	UL/TUV/CB/PSE
15	AL-C191610AC20-G	208-250V	16A	AWG15	40	Yellow	C19	C20	UL/TUV/CB/PSE
16	AL-C191610BC20-G	208-250V	16A	AWG15	40	Black	C19	C20	UL/TUV/CB/PSE
17	AL-C191615AC20-G	208-250V	16A	AWG15	60	Yellow	C19	C20	UL/TUV/CB/PSE
18	AL-C191615BC20-G	208-250V	16A	AWG15	60	Black	C19	C20	UL/TUV/CB/PSE
19	AL-C191620AC20-G	208-250V	16A	AWG15	80	Yellow	C19	C20	UL/TUV/CB/PSE
20	AL-C191620BC20-G	208-250V	16A	AWG15	80	Black	C19	C20	UL/TUV/CB/PSE



Provide life cycle service management

- Reliability
- On-Time Delivery
- Quality
- Uncompromising Safety



Target market and application scenarios