

## Product Safety Sheet for Supra LoRad 2.5 Mains Cords

Product Name: Supra LoRad 2.5 CS-16-US Mains Cord Set

Manufacturer Information:

Name: Supra Cables / Jenving Technology AB

Address: Bastbacka 112-113, 45991 Ljungskile, Sweden

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### 1. Product Description

Product type: Shielded mains power cord set for US standard (NEMA 5-15), suitable for 110–250V systems. Comprises Supra LoRad 3×2.5 mm<sup>2</sup> cable, Supra SWF-10 IEC 60320 C13 female connector, and Supra MC-US male plug. Rated for continuous currents up to 20 A. Equipped with LoRad (Low Radiation) shielding to reduce electromagnetic and radio frequency interference (EMI/RFI).

Applications:

Designed for residential and commercial use to deliver stable, low-interference power to audio, video, and electronic equipment. The cable minimizes electromagnetic interference, limits emissions from the cable itself, and helps maintain signal integrity and overall system performance. Compatible with Supra LoRad US power distribution blocks (up to 6 outlets) and equipment using IEC 60320 connections (10/13 A).

### 2. Safety Standards and Compliance

Relevant Directives and Standards:

- Low Voltage Directive (LVD) 2014/35/EU
- Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- RoHS Directive 2011/65/EU
- General Product Safety Regulation (GPSR) 2023/988
- CE Marking: This product conforms to all applicable EU safety, health, and environmental protection standards and bears the CE marking.

### 3. Risk Assessment and Mitigation

Potential Hazards:

- Electrical Shock: Risk of electric shock if the product is improperly handled or damaged.
- Overheating: Overheating may occur if the product is overloaded or improperly ventilated.
- EMI Interference: Risk of ineffective EMI suppression if the product is misused.
- Surge Damage: Potential damage to connected devices if surge protection is compromised.

Mitigation Measures:

- Equipped with Non-Intrusive Filtering (NIF) to reduce RFI noise without affecting audio dynamics.
- Integrated three-way surge protection (Live-Earth, Neutral-Earth, Live-Neutral) to safeguard against power surges and lightning strikes.
- DC-blocker functionality to eliminate DC components in mains power, preventing transformer saturation and associated issues.
- Clear usage instructions provided to avoid overloading and ensure proper ventilation.
- Tested in compliance with EN standards to ensure effective EMI suppression.

### 4. Technical Specifications

- Input Voltage: 110–250V

- Frequency Range: 50–60Hz
- Max Current: 20A
- Cable Type: Shielded LoRad mains cable
- Connector (Equipment Side): IEC 60320 C13 (10 A)
- Plug Type: NEMA 5-15 male plug
- Conductor Material: Oxygen-free copper (OFC), tin-plated, corrosion-resistant
- Shielding: Full coverage shielding to reduce electric and magnetic fields
- Insulation: Heat and aging-resistant PVC
- Radiation Reduction: Designed to minimize emitted electromagnetic fields

## 5. Labeling and Traceability

Each product is labeled with:

- Product Name
- Serial/Batch Number
- Manufacturer Contact Information
- CE Marking

## 6. Instructions for Safe Use

- Only use the product within specified voltage and frequency limits.
- Ensure proper ventilation to avoid overheating.
- Avoid exposure to moisture or direct sunlight.
- Disconnect from mains during installation or maintenance.
- Connect to a grounded wall socket using appropriate mains flex cables for maximum effectiveness.

## 7. Incident Management and Reporting

Post-Market Surveillance:

- Supra Cables monitors product performance and user feedback to identify potential safety issues.

Incident Reporting:

- In case of a safety issue, customers are encouraged to contact Supra Cables immediately.
- Incidents will be reported to relevant authorities via the EU Safety Business Gateway as required by GPSR.

## 8. Declaration of Conformity

Supra Cables declares that this product complies with the following directives and standards:

- CE, RoHS, REACH, EAC & Verified by Intertek Sweden

## 9. Disposal Instructions

- Dispose of this product in accordance with local electronic waste disposal regulations.
- Do not discard with general household waste.



Signed by: Jörgen Wahlsberg

Date: 2026-04-01