SUPRA® Cables
MADE IN SWEDEN

Rev. Date: 2026-04-02

Product Safety Sheet for Supra Lorad 2.5 Mains Cords

Product Name: Supra LoRad 2.5 CS-US Mains Cord Set
Manufacturer Information:
Name: Supra Cables / Jenving Technology AB
Address: Bastebacka 112-113, 45991 Ljungskile, Sweden
Contact: Jörgen Wahlsberg, +46-522-698990, www.supracables.se

1. Product Description

Product Type: LoRad 2.5 CS-US mains power cord, comprising Supra LoRad 3 × 2.5 mm² tin-plated OFC cable, Supra SWF10 female connector (IEC-320), and Supra SW-US male plug. Features LoRad (Low Radiation) shielding to minimize electromagnetic and radio frequency interference (EMI/RFI).

Applications: Designed for residential, commercial, and professional use, providing clean, stable power to audio, video, and electronic equipment. The LoRad design reduces EMI/RFI, limits self-generated radiation, and supports improved system performance and signal integrity. Ideal for hi-fi, home theater, studios, and noise-sensitive environments.

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: 110–125 V
- Frequency Range: 50–60 Hz

- Max Current: 15 A continuous
- Cable Type: Shielded LoRad mains cable, 3 × 2.5 mm² tin-plated OFC
- Connector (Equipment Side): IEC C13, 24K gold-plated
- Plug Type: SW-US NEMA 15 A, straight
- Shielding: Semi-conductive nylon covering to reduce electric and magnetic fields
- Insulation: Heat- and aging-resistant PVC jacket
- Radiation Reduction: LoRad design minimizes emitted electromagnetic fields for silent, interference-free operation

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: 2026-04-02

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