

## Product Safety Sheet for Supra LoRad 2.5 Excalibur Mains Cords

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

Manufacturer Information:

Name: Supra Cables / Jenving Technology AB

Address: Bastebacka 112-113, 45991 Ljungskile, Sweden

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### 1. Product Description

Product Type: LoRad 2.5 Excalibur CS-16 BS mains power cord, comprising Supra LoRad 3 × 2.5 mm<sup>2</sup> silver-plated OFC cable, rhodium-plated SWF-16 IEC320 C19 female connector, and rhodium-plated BS1363/A 16 A 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 high-end 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: 220-250 V

- Frequency Range: 50–60 Hz
- Max Current: 16 A continuous
- Cable Type: Shielded LoRad mains cable, 3 × 2.5 mm<sup>2</sup> silver-plated OFC
- Connector (Equipment Side): IEC C19, rhodium-plated
- Plug Type: BS1363/A 16 A, straight, rhodium-plated
- Shielding: Dual-layer (Alu/PET foil + semi-conductive nylon) 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