Product Safety Sheet for Supra USB 2.0 Cable

Product Name: Supra USB 2.0 Cable
Manufacturer Information: Supra Cables
Name: Supra Cables / Jenving Technology AB
Address: Bastebacka 112-113, 45991 Ljungskile, Sweden
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1. Product Description

High-performance USB 2.0 data and power cable supplied on a 300 m bobbin for professional cable assembly, OEM production, and structured wiring applications. Designed for stable, low-noise digital signal transmission and reliable USB power delivery in accordance with USB 2.0 specifications.

Applications: Intended for connecting computers, audio equipment, peripherals, DACs, printers, measurement devices, and other USB-compatible equipment in home, office, and professional environments.

Form factor:
*   Raw cable only (no connectors attached)
*   Supplied on a 300 m bobbin for flexible assemblyn)

2. Safety Standards and Compliance

Relevant Directives and Standards:
*   Low Voltage Directive (LVD) 2014/35/EU
*   RoHS Directive 2011/65/EU
*   General Product Safety Regulation (GPSR) 2023/988
*   CE Marking: This product conforms to applicable EU safety, health, and environmental protection requirements and bears the CE marking where required.

3. Risk Assessment and Mitigation

Potential Hazards:
*   Electrical Shock: Low risk during normal operation; increased risk if insulation is damaged.
*   Overheating: Potential risk if used with non-compliant devices or subjected to excessive current beyond USB 2.0 specifications.
*   Physical Damage: Risk of conductor or shielding damage if the cable is excessively bent, pulled, crushed, or abraded.
*   Signal Degradation: Possible data errors if the cable is damaged or improperly installed.

Mitigation Measures:
*   High-quality copper conductors ensure low resistance and reliable signal integrity.
*   Twisted data pairs and shielding reduce electromagnetic interference (EMI/RFI).
*   Durable outer insulation provides resistance to wear, aging, and mechanical stress.
*   Proper handling during cutting, stripping, and connector termination minimizes mechanical damage.

4. Technical Specifications
- Cable Type: USB 2.0 data and power cable (raw cable)
- Conductor Material: Copper (USB-grade, suitable for data and power transmission)
- Data Pair Impedance: 90 Ω ±15 Ω (USB 2.0 compliant)
- Insulation Material: PVC (heat- and age-resistant)
- Outer Jacket Color: Blue
- Rated Voltage: ≤30 V DC (USB application)
- Maximum Operating Temperature: Typically −20 °C to +60 °C
- Supply Length: 300 m bobbin

5. Labeling and Traceability
Each product is labeled with:
- Product Name
- Serial/Batch Number
- Manufacturer Contact Information
- Meter Markings for length measurement
- CE Marking

6. Instructions for Safe Use
- Ensure the cable is appropriate for the intended audio application and power requirements.
- Do not exceed the cable's specified voltage capacity to prevent overheating.
- Do not exceed USB 2.0 voltage or current specifications.
- Avoid sharp bends, kinks, twisting, or tensile stress during installation and use.
- Inspect the cable before assembly; do not use if insulation, shielding, or conductors are damaged.
- Install and terminate the cable using appropriate tools and in accordance with local electrical and safety regulations.

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

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: 2026-02-25