



LIGHTWARE

INNOVATIVE, RELIABLE, MADE IN EUROPE.



Getting the Signal Right, Every Time



CAB-USBC-HDMI-C200F



CAB-USBC-HDMI-C300F

A CLOSER LOOK AT LIGHTWARE'S USB-C TO HDMI ADAPTER CABLES

We all know small things can have a big impact. A meeting room where the screen stays black. A live event, where signal drops mid-presentation. A training session where resolution issues derail the start. All too often, these problems trace back to one underestimated component: the adapter cable.

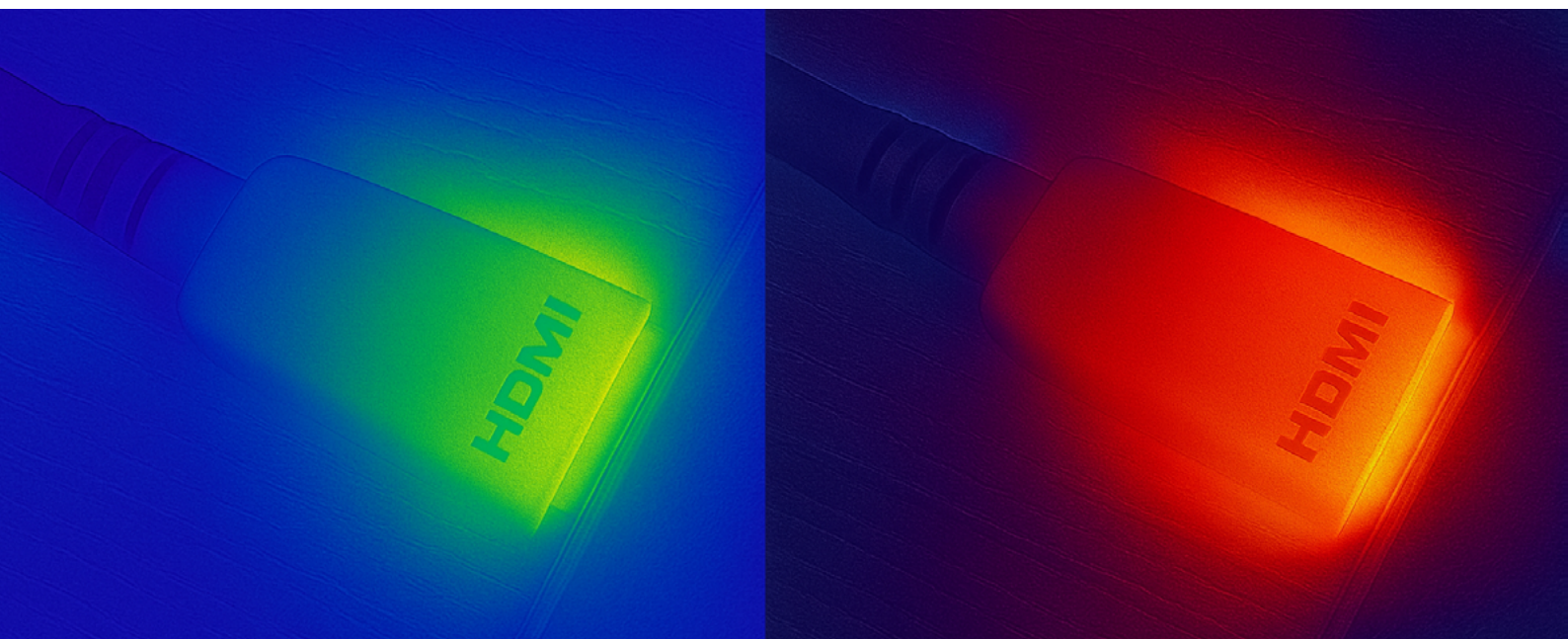
While the market is flooded with low-cost solutions, experienced AV professionals know the risks that come with relying on consumer-grade products. Overheating, EDID miscommunication, or complete incompatibility with essential hardware: the weak links are known, and they cost time, trust, and money.

This is where Lightware's professional-grade cables – the **CAB-USBC-HDMI-C200F (2m)** and **CAB-USBC-HDMI-C300F (3m)** – come in. Designed, tested, and built for real-world performance, these cables deliver stable, driver-free video connections in mission-critical environments.

Common Pitfalls with Store-Bought USB-C to HDMI Cables

Let's address the typical failure points that most technicians have experienced firsthand:

- **Overheating:** Many generic cables use low-quality materials and inadequate shielding. Prolonged use can lead to excessive heat buildup, compromising performance or worse, posing safety hazards.
- **EDID Failures:** Poorly designed cables often mishandle EDID negotiation, leading to incorrect resolutions or no signal at all. This means having to reconnect cables or reboot devices just to force basic communication.
- **HDCP Incompatibility:** Without proper support for HDCP 1.4 and 2.3, playback of protected content results in a blank screen: a nightmare scenario for both live events and enterprise installations.
- **Limited USB-C Alternate Mode Support:** Consumer cables often fail to support DisplayPort Alternate Mode properly, making them unreliable with a wide range of modern devices, particularly Apple laptops and tablets.
- **Driver Requirements:** Some adapters still require driver installations or external power: unacceptable in environments where plug-and-play performance is non-negotiable.



WHAT SETS LIGHTWARE APART

Lightware's adapter cables are not just accessories, they are engineered tools made for professionals. Each cable features:

- **True 4K@60Hz (4:4:4)** resolution support for pixel-perfect image quality
- **Full HDCP 1.4 and 2.3** compliance for guaranteed content protection compatibility
- **Robust EDID handling**, ensuring seamless negotiation between source and display
- **Driverless operation**, requiring no installation or external power supply
- **Soft-touch TPE outer jacket** for flexibility, durability, and easy cable management
- **Gold-plated connectors** for long-lasting, corrosion-free signal integrity
- **Integrated eMark chip** and full **DisplayPort Alternate Mode** compatibility

These specs aren't just bullet points – they reflect the experience of decades in pro AV engineering.



Typical Use Cases

Professionals don't need flashy promises, they need predictable, clean signal paths. Lightware's USB-C to HDMI cables fit into real-world scenarios such as:

- **Corporate Meeting Rooms:** Connecting USB-C laptops to HDMI projectors or displays in AV setups.
- **Education Environments:** Supporting tablets or Chromebooks for presentations on HDMI-based classroom displays.
- **Digital Signage:** Reliable signal delivery from USB-C sources to HDMI panels in retail or public spaces.
- **Live Events & AV Rental:** Fast, dependable USB-C to HDMI conversion for temporary installations and on-the-fly setups.

These environments demand more than basic compatibility – they require confidence in every connection.



ENGINEERED, TESTED, AND PROVEN

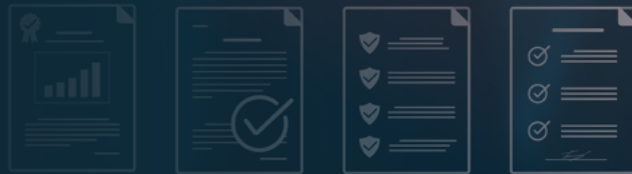
At Lightware, quality assurance is not a checkbox, it's more like a methodology. Our USB-C to HDMI cables go through rigorous testing:

- **Plug Tests** with major device brands and Lightware's own signal management systems
- **EDID & HDCP protocol compliance** checks using specialized testing instruments
- **Mechanical testing** for bend tolerance, connector retention, and long-term reliability
- **Thermal analysis**, including side-by-side thermal imaging comparisons with generic cables
- **Extended usage stress tests** to simulate real operational wear and aging



We don't assume compatibility, we prove it. And we do it repeatedly, across every batch.

As we all know, not all cables are created equal. When the stakes are high, and there's no room for trial-and-error, choosing a professional-grade cable like Lightware's **CAB-USBC-HDMI-C200F** or **C300F** means fewer support calls, faster setup times, and peace of mind.



It's not just about getting a picture on screen, it's about getting it right, every single time.



Learn more at:

lightware.com/en/products/Cables/cab-usbc-hdmi-c300f

lightware.com/en/products/Cables/cab-usbc-hdmi-c200f

lightware.com/en/product-family/lightware-cables

