

# Bullet Train

featuring



CLEERLINE SSF™



## Premium Active Optical HDMI Cables

All HDMI cables are not created equal. Bullet Train has developed HDMI cables built for mission-critical environments where stability is key. By delivering data over Cleerline SSF fiber optics alongside copper wire, Bullet Train AOC Cables deliver 48Gbps and a high frame rate signal with much lower latency – up to 20% less than a passive copper HDMI cable. These cables are ISF (Imaging Science Foundation) Certified, the name to trust in picture quality and calibration. Tried and tested, Bullet Train cables are highly engineered to be a long-lasting part of any audio/video system. ALL ABOARD.

### KEY FEATURES

- 48GBPS, 120 FPS/HZ
- FRL & VRR
- 4K, 5K, 8K AND 10K
- ETHERNET
- 10 & 12-BIT
- CL2/3 RATED
- IN-WALL RATED
- ARC (AUDIO RETURN CHANNEL) & eARC (UP TO 20 METERS)
- LOW LATENCY
- HDCP 2.2
- HD RESOLUTIONS
- 3D SIGNALS
- VESA RESOLUTIONS
- HDR (HIGH DYNAMIC RANGE)
- DOLBY VISION®
- 7.1 AUDIO, DOLBY AUDIO™, DTS AUDIO®

### PRODUCT NUMBER/LENGTHS

- AC-BTSSF-10KUHD-05 5 M (16.4 FT)
- AC-BTSSF-10KUHD-10 10 M (32.8 FT)
- AC-BTSSF-10KUHD-15 15 M (49.2 FT)
- AC-BTSSF-10KUHD-20 20 M (65.6 FT)
- AC-BTSSF-10KUHD-30 30 M (98.4 FT)
- AC-BTSSF-10KUHD-40 40 M (131.2 FT)
- AC-BTSSF-10KUHD-60 60 M (196.9 FT)
- AC-BTSSF-10KUHD-80 80 M (262.5 FT)
- AC-BTSSF-10KUHD-100 100 M (328.1 FT)

### DECLARATIONS

- REACH, ROHS, CMP (PLENUM/FT6) (E468039)

### SPECIFICATIONS:

**Cleerline SSF:** Unlike the other brittle fiber cables on the market, all Bullet Train AOC Cables have Cleerline Fiber Optics inside. This provides ULTIMATE in strength, bend radius, pull tension and general durability. With Cleerline SSF's proprietary polymer coated fiber cores these cables will last multiple lifetimes without breakage.

**Patent Pending "L2H Optics":** "Low to high" is what we call our proprietary optical modulation method. Many AOC cables may perform well for high frequency/bandwidth applications, but simply fail when the signal bandwidth is too low. This is because most of the commonly available modules on the market are designed for high frequency data centers. HDMI is totally unique in that we need to be able to handle all legacy video formats as well as the cutting-edge ones. This means we need to handle low frequency.

**Aluminum Head Shell:** Bullet Train AOC cables use highly advanced optical transceivers that generate heat. In order to keep the electronics cool and operational for many lifetimes, we employ a lightweight, extremely fast heat dissipating aluminum.

**Kevlar Threading:** Running the length of each cable is braided Kevlar. This further adds to the pull strength and overall resilience of the cable.

**Ring-neck Kevlar Grasp:** Additional strength comes in the head shell in the form of a Patent Pending design that allows the Kevlar to be "tied off" of either end, making it virtually impossible to damage the fiber. You will stretch the jacket before you ever remove a head from the cable.

- **Data Rate:** 48Gbps
- **Clock Rate:** up to 600Mhz (600Mhz)
- **Cable Diameter:** 5mm
- **Head shell:** 48.4x18.1x8.7 mm (Length, Width, Height)
- **Bend radius:** over 20mm
- **Data (TMDS):** Cleerline Fiber Optics (SSF)
- **DDC & LV:** 32 AWG Copper
- **Insulation:** Polymer/Kevlar
- **HDMI Connectors:** Steel, 24K Gold
- **Head shell:** Aluminum

48  
Gbps

8K  
ULTRA HD

HDR

Imaging Science  
FOUNDATION  
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