

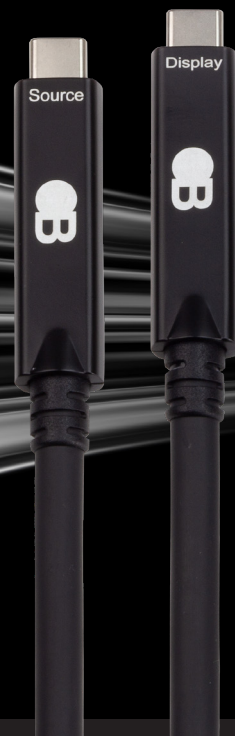
# Bullet Train®

## USB 3.2 Gen 2 Type-C to Type-C

### *professional series USB cables*

What is the best way to describe Bullet Train professional-grade Type-C to Type-C USB cables? They just work. Capable of four-lane bidirectional data transfer at speeds up to 10 Gbps (20 Gbps total), commercial integrators can confidently specify and deploy Bullet Train USB-C Gen 2 cable for unrivaled performance and unfailing reliability across all markets, such as Collaboration/Office, Educational, and Hospitality, or in mission-critical spaces like First-response Centers, Governmental Agencies, and Medical.

These cables give integrators a risk-free, performance-oriented, sensible alternative to e-commerce chance-taking. They provide demanding clients with performance-oriented cabling from a benchmark-setting manufacturer in the world of high-bandwidth signal transfer.



Part Number	Length	Type	Part Number	Length	Type
BT-USBC-01	1 Meter	Passive	BT-USBC-05	5 Meters	Active
BT-USBC-02	2 Meters	Passive	BT-USBC-08	8 Meters	Active
BT-USBC-03	3 Meters	Passive	BT-USBC-15	15 Meters	Active

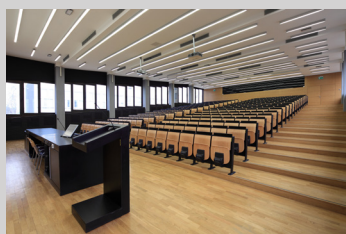


## APPLICATIONS

### Conference Rooms



### Education



### Government



### Medical



## KEY BENEFITS

**Forward-reaching Design:** Advanced electromagnetic compliance regulations require all elements of multimedia technology systems to eliminate EMI and RFI radiated emissions. Bullet Train Professional USB cables position systems for measurably less spurious, parasitic noise in space-restricted and high-density electronic environments.

**Legacy Support:** USB 3.2 Gen 2 Type-C to Type-C SuperSpeed cables, capable of transfer speeds up to 10 Gbps, supporting legacy USB Versions 1.1 and 2.

**Superior Power Delivery:** USB devices up to 60 watts (40 watts maximum with the 15-meter BT-USBC-15) charge safely and more efficiently, consuming less productivity-draining ‘tether time.’

**100% End-to-End EMC Noise-abating Shielding:** Multi-layer compound global shielding is precision-terminated to maintain 100% noise isolation entirely through the headshell, preventing radiated emissive high-frequency interference from penetrating or exiting the cable for subsequent retransmission in a busy rack or office environment.

**Oxygen-Free Copper Conductors:** Constructed with 99.9999% OFC.

**Data Center-grade AOC Fiber Transceivers:** The AOC cables feature high-efficiency, Data Center-grade fiber transceiver modules inside precision-machined headshells to enable perfect bit-by-bit accuracy in data transmission. The headshell design extracts and dissipates thermal transceiver emissions for an extended lifespan and a 100% duty cycle regimen.

**Precision-machined Connector:** Originally conceived as a connect-once, virtually permanent connection format, USB’s versatility has led to devices that require constant insertion/desertion cycles. Precision machining enables Bullet Train USB cables to create repeatable, secure connections without metallurgical fatigue, extending cable life and preserving long-term cable performance.

**Gold-Plated Contact Points:** Long-term, fail-proof connectivity is assured, with all copper termination points featuring anti-oxidizing gold-plating.

**Enhanced Interoperability:** They have undergone extensive testing with more than 80 leading devices in various cross-configurations to ensure compatibility in the field the first time and every time.

**Backward Compatibility:** These cables can operate at the lowest common speeds, making them compatible with any USB device (up to USB 3.2 Gen 2 (2x1)/ 10 Gbps). On legacy-related devices, they function as USB 2.0 or USB 1.1 cables.

**Lifetime Warranty:** Install with peace of mind; Bullet Train’s no-hassle lifetime guarantee covers you and your clients.

## SPECIFICATIONS

PASSIVE CABLES	
USB Type	USB 3.2 Gen 2 (2x2)
Connector Type	USB Type-C Male to USB Type-C Male
Available Lengths	BT-USBC-01 - 1 m (3.2 ft.) BT-USBC-02 - 2 m (6.5 ft.) BT-USBC-03 - 3 m (9.8 ft.)
Max Bandwidth	20 Gbps
DisplayPort Modes	DP 2.1 + USB 2.0 DP 1.4 + USB 3.2 10 Gbps
DisplayPort Resolution	Up to 4K/60 Hz
Retention Force	4 kg / 8.8 lbs.
Wire Gauge	BT-USBC-01 - 32 AWG x 24 AWG BT-USBC-02 - 32 AWG x 24 AWG BT-USBC-03 - 30 AWG x 21 AWG
Internal Wire Construction	8C (4 x Differential signal pairs)
Cable Impedance	95 Ohms ± 5 Ohms
Cable Outer Diameter	BT-USBC-01 - 4.8 mm (.188 in) BT-USBC-02 - 4.8 mm (.188 in) BT-USBC-03 - 5.8 mm (.228 in)
Plug Dimensions (L x W x D)	mm: 17.8 x 8.55 x 2.4 inches: .700 x .336 x .094
Plug Material	Nickel-plated
Casing Material	Aluminum
Outer Shielding Material	PVC Jacket (UL VW-1)
Bend Radius	30 mm
EMI/EMC/Safety Certifications	UL
Environmental	RoHS
Lead-free (Pb-free)	Yes
Warranty	Lifetime

PASSIVE CABLES	
USB Type	USB 3.2 Gen 2 (2x2)
Connector Type	USB Type-C Male to USB Type-C Male
Available Lengths	BT-USBC-05 - 5 m (16.4 ft.) BT-USBC-08 - 8 m (26.2 ft.) BT-USBC-15 - 15 m (49.2 ft.)
Max Bandwidth	20 Gbps
DisplayPort Modes	DP 2.1 + USB 2.0 DP 1.4 + USB 3.2 10 Gbps
DisplayPort Resolution	Up to 4K/60 Hz
Retention Force	3 kg / 6.6 lbs.
Wire Gauge	28 AWG x 24 AWG x 21 AWG
Internal Wire Construction	Fiber + 5x conductors for SuperSpeed RX/TX 2x conductors for CC/VCON 1x pair for SBU1/SBU2 1x pair for VBUS/GND 1x pair for D+/D-
Cable Impedance	90 Ohms ± 10%
Cable Outer Diameter	6.5 mm (.226 inches)
Plug Dimensions (L x W x D)	mm: 44.5 x 12.6 x 8 inches: 1.75 x .496 x .315
Plug Material	Silver-plated
Casing Material	Zinc Alloy
Outer Shielding Material	TPE Jacket
Bend Radius	65 mm
EMI/EMC/Safety Certifications	UL
Environmental	RoHS
Lead-free (Pb-free)	Yes
Warranty	Lifetime