



## Pro AV/IT Integrator Series™ Transformer™ USB-C to USB-C or HDMI 4K Cables up to 10ft

Comprehensive Pro AV/IT Integrator Series™ Transformer™ Cables are the exclusive and exciting new cables that can transform to meet your application, making your meetings, lessons and presentations more convenient, productive and cost effective.

Featuring two of the most common connectors; USB-C and HDMI, this Transformer™ cable provides connection with a USB-C equipped host to either HDMI or USB-C enabled 4K HD monitor, TV Display or projector.

Comprehensive's Pro AV/IT Integrator Series™ Transformer™ USB-C 3.1 (5G) cables feature a USB-C on one side, as well as USB-C and interchangeable HDMI connection on the other, making this cable the perfect solution for any technology space.

### Works as a USB-C to C or USB-C to HDMI Cable!

Comprehensive Pro AV/IT Integrator Series™ Transformer™ cables are designed to meet your most common USB needs-all in one cable! Simply use the attached HDMI connector to transform this cable anytime you need to connect different equipment!

### Supports SuperSpeed 5Gbps Data Transfer

Pro AV/IT Integrator Series™ Transformer™ Cables support data speeds of up to 5 Gbps between your host computer and the USB equipped devices- that is up to 20 times faster than USB 2.0 cables.

### Supports Delivery of True 4K Video AV Transmission (C to C Mode Only)

Pro AV/IT Integrator Series™ SuperSpeed USB 3.1 Cables support full 4K@60Hz video with DisplayPort 1.2 alternate mode. You may connect your laptop to a display monitor (with a USB-C port) to get true 4K quality video.

### Up to 5X More Durable Than Standard USB Cables

Pro AV/IT Integrator Series™ Ultra-Flexible SuperSpeed USB 5G Cables are the most durable USB cables ever designed. With up to 5X the durability of Standard USB Cables, Pro AV/IT Integrator Series™ USB cables are designed specifically for the demanding applications of systems integration. Premium construction and re-enforcement ensure up to 20,000 bend cycles and up to 5X the pull strength of normal USB cables.

### Ultra-Flexible Design Makes for Easy Installation

Transformer™ Cables are built with Integrator Series™ Ultra-Flexible cables that are flexible with durable construction, molded strain relief and high quality Shielded Twisted Pair (STP) construction, helping to prevent electro-magnetic interference and ensuring reliable data communication.

### Includes ProID™ & ProWrap™ For Easy Cable Identification and Management

Pro AV/IT Integrator Series™ Transformer™ Cables include ProID™, a set of 7 color coded rings for quick and easy cable identification as well as ProWrap™ nylon hook and loop reusable velcro cable wraps for easy cable management-all as an added value!

### Charging for your Mobile Devices with any USB Connector

This USB Transformer™ Cable can charge your mobile phones, laptops and other USB peripheral devices with either USB-A or USB-C connector at the possible fastest speed.

### Compatible With All Major Operating Systems

Pro AV/IT Integrator Series™ USB Cables support all major operating systems including Windows®, MacOS® and Chrome OS™.

### Backwards Compatible with USB 2.0

Comprehensive's USB SuperSpeed 5G cables provide fast USB 3.1 signal performance, but is also conveniently backwards compatible, providing support of USB 2.0 signal as well.

### Peace of Mind Comes Standard

Value is knowing a product you buy today will work for you tomorrow and in the years to come. Since 1974, Comprehensive has been making the most reliable and dependable Pro AV/IT cables on the planet for our integrator and professional customers. Period. We live up to that statement with each and every cable we manufacture. So, when you purchase a Comprehensive product, you can be assured it will keep on working and last a lifetime. That's Quality You Can Count On™

### Tested and Trusted Since 1974

Since 1974, Comprehensive Pro AV/IT Series connectivity products have been trusted by Pro AV and IT systems integrators because of their legendary reliability, performance and value. That's why they have been the "go to" connectivity products worldwide for boardrooms, classrooms, data centers, schools, government installations, stadiums, broadcast studios, stages and other mission critical applications. They trust Comprehensive, and so should you!



USB CABLES



# Pro AV/IT Integrator Series™ Transformer™ USB-C to USB-C or HDMI 4K Cables up to 10ft

## Features

- Transforms from a USB 5G USB-C to USB-C cable into a USB-C to HDMI Cable and back again
- Pro AV/IT Integrator Series™ design and build ensures unsurpassed durability and reliability that you can count on
- Up to 5x more durable than standard cables
- Supports data transfer speeds up to 5Gbps with all lengths (3ft, 6ft and 10ft)
- Features ProID™ Color Identification System - Includes 7 different colored ProID™ rings (14 pcs total)
- USB 3.1 (5G) Type-C Male to USB-C Male is bi-directional transmitting data and AV signals
- SureLength™ indicators on the connector heads make it easy to organize for installations
- Supports all major operating systems including Windows®, MacOS® and Chrome OS™
- Backward compatible with USB 2.0
- RoHS Compliant
- Worry-Free Lifetime Warranty
- **Product Tip:** The cable works one-way only when connected with HDMI connector. The USB-C should be plugged to the source device (e.g. laptop) and the HDMI plugged to the display TV or monitor.



USB CABLES

## Specifications

### Performance & Resolution

Max Resolution: Supports DP Alt Mode up to 4K@60 (4:4:4)  
 Data Speed: Up to 5Gbps  
 Max Distance: Up to 10 feet  
 Power Delivery Up to 60 W (USB-C to USB-C only)  
 Resolution and Refresh Rate: 4K@60 (4:4:4)  
 Performance Grade: Best / Commercial Grade  
 Operating Systems: Windows® 8 & Up, macOS® 10 & Up, Chrome OS  
 Signal Technology Version: USB 3.1 Gen 1  
 Backward compatible to USB 2.0

### Physical Characteristics

Bend Radius: 27 mm (1.06")  
 Cable Outer Diameter (OD): 5.0 mm (0.21")  
 Conductors: 32/34 AWG  
 Cable Color: Black  
 ProID™ Colors: set of 7 different colored ProID™ rings (14 pcs total): white, orange, red, pink, blue, green and yellow  
 Connector Finish: Nickel plated  
 Dimensions (W x H x D): Connector : 1.21"W x 0.5"L x 0.26"H  
 Directional:

- Bi-directional: USB-C to USB-C
- Directional: USB-C to HDMI works only one way.  
 The HDMI should be plugged to display TV or monitor.

Shielding: Aluminum Foil Mylar 100% coverage with 25% overlap  
 Braided shielding: tinned copper 85% minimum coverage  
 Gauge (AWG): 34/ 32 AWG  
 Jacket Type: PVC  
 Packaging: Ziplock Bag

### Connections

Connector Side 1: USB Type C male  
 Connector Side 2: USB Type C male  
 Connector Side 3: HDMI male

### Environmental

Temperature: 0- 50°C

### Power & Electrical

DC Resistance: 34 AWG 88 Ω/km, 32 AWG 58 Ω/km  
 Insulation Resistance: 100Ω Minimum  
 Impedance: 90 ± 15 Ω  
 Skew: 350ps Maximum  
 Voltage: 5V

### Regulatory

USB-IF Certification: No  
 CE: Yes  
 CMP Rated: No  
 Prop 65 Compliant: Yes  
 Rohs Compliant: Yes  
 UL Rated: VW-1

### Weight (Shipping)

3 ft – 0.25 lbs., 6 ft – 0.35lbs., 10 ft – 0.55 lbs.

### Warranty

Worry-Free Lifetime

<b>TF5G-C2H-3PROBLK</b>	3ft
<b>TF5G-C2H-6PROBLK</b>	6ft
<b>TF5G-C2H-10PROBLK</b>	10ft



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