



C2G[®]
A brand of **legrand**[®]

DATA SHEET

C2G Performance Series Ultra High Speed HDMI[®] Cable with Ethernet - 8K 60Hz

Ultra High Speed HDMI Cables that have been tested to ensure support for all HDMI 2.1 features, including uncompressed 8K at 60Hz and 4K at 120Hz

OVERVIEW

C2G Performance Series Ultra High Speed HDMI Cables are ideal for computers, game consoles, and displays requiring high bandwidth solutions and video resolutions up to 8K - perfect for high-resolution applications in video production, broadcasting, gaming, and other business and consumer applications.

These Ultra High Speed HDMI Cables support a super immersive viewing experience with resolutions up to 8K, four times as many pixels that 4K offers. Ultra-fast motion images from fast-action videos, gaming, and VR applications are crisp and sharp with the 4K 120hz capability. Other resolutions are also supported, including 5K and 10K for commercial AV, industrial, and specialty usages. The 48Gbps bandwidth allows higher resolutions, faster refresh rates, and enhanced audio and media features.

Dynamic HDR optimizes displayed video on a scene-by-scene or even a frame-by-frame basis and provides an extended contrast range providing darker blacks and brighter whites and greater image detail in all color spaces of the image. In addition, enhanced Audio Return Channel (eARC) is supported, an evolution of the previous Audio Return Channel (ARC), which now supports the latest audio formats up to 192kHz, 24-bit, and uncompressed 5.1 and 7.1, and 32-channel uncompressed audio.

The in-wall rated jacket means keeping cable clutter off the floor while safely running it through the wall. Commercial-grade connectors that feature compact overmolding for high-density environments, integrated finger grips on the top, bottom, and sides for easy insertion and removal. The gripping connector shells have 2x port retention to keep your devices connected. The gold-plated connectors on the cables allow for better shielding, increased electrical conductivity, and durability.

These cables have also been tested and certified to ensure low EMI to reduce the possibility of interference with wireless networks, streaming media players, Bluetooth devices, and mobile phones. Lastly, this tested and certified ultra high speed cable is backed by a lifetime warranty.

FEATURES

- Tested to conform with the Ultra High Speed HDMI Cable Certification Program to ensure quality and support for all HDMI 2.1 features
- Supports 8K 60Hz, 4K 120Hz, and 10K resolutions and refresh rates for immersive viewing
- Bandwidth up to 48Gbps to support ultra high speed features
- Dynamic HDR for greater image detail
- Enhanced Audio Return Channel (eARC), which supports the latest audio formats
- In-wall (CMG/FT4) rated jacket, so you can safely run the cable inside of a wall and have a clutter free, clean look
- Integrated finger grips on the connectors for easy insertion and removal
- Gripping connector shell for 2x greater port retention
- New Ultra High Speed Cable type, backward compatible with earlier HDMI specifications
- Exceptionally low EMI (electro-magnetic interference), which reduces interference with nearby wireless devices
- Backed by a Lifetime Warranty for peace of mind

ITEM DESCRIPTION

C2G10452	2ft (0.6m) C2G Performance Series Ultra High Speed HDMI Cable with Ethernet - 8K 60Hz
C2G10453	3ft (0.9m) C2G Performance Series Ultra High Speed HDMI Cable with Ethernet - 8K 60Hz
C2G10454	6ft (1.8m) C2G Performance Series Ultra High Speed HDMI Cable with Ethernet - 8K 60Hz
C2G10455	10ft (3m) C2G Performance Series Ultra High Speed HDMI Cable with Ethernet - 8K 60Hz
C2G10456	12ft (3.6m) C2G Performance Series Ultra High Speed HDMI Cable with Ethernet - 8K 60Hz

SIGNAL SPECIFICATIONS

- HDMI Resolutions up to 8K (7680 × 4320) at 60Hz, 4K (4096 × 2160) at 120Hz, and 10K
- Signal Bandwidth: 48Gbps
- HDMI Audio: Uncompressed 5.1 and 7.1; 32-Channel Uncompressed Audio

ELECTRICAL SPECIFICATIONS

- Voltage Rating: 30V
- Temp: Connector: Temp Rating: 220°C
- Cable: Temp Rating: 75°C
- Conductor Resistance: 3ft: 2Ω; 6ft: 3Ω; 10ft: 4Ω; 12ft: 5Ω
- Insulation Resistance: 10MΩ
- Withstand Voltage: AC 300V, DC 300V
- Differential Data Input Voltage: 4.8V to 5.3V
- Differential Data Output Voltage: 4.7V to 5.3V

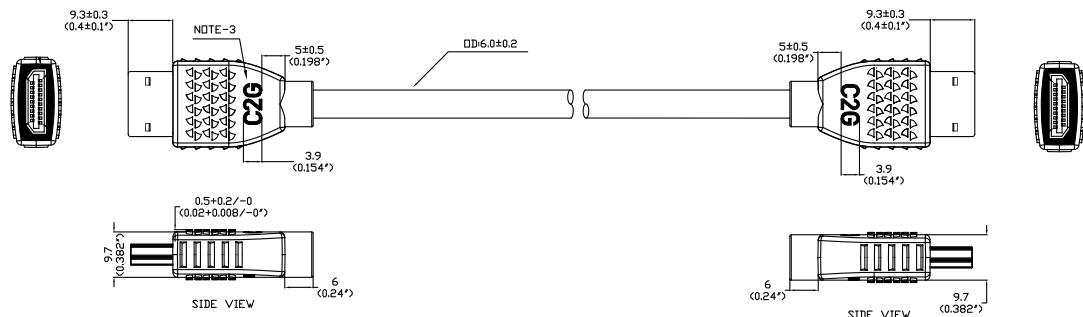
PHYSICAL SPECIFICATIONS

- Operating Temperature: -20°C to +75°C; 85% RH (Non-Condensing)
- Storage Temperature: -10°C to +55°C; 85% RH (Non-Condensing)
- Tensile Strength: 100N
- Minimum Bend Radius: 48mm
- Minimum Bend Radius: 64mm (C2G10456 only)
- Cable Jacket Ratings: CMG FT4
- Connector Gripping Force: HDMI Withdrawal Force: 9.8N/1.0kgf Min; 39.2N/4.0kgf Max
- Connector Gripping Force: HDMI Insertion Force: 44.1N/4.5kgf Max

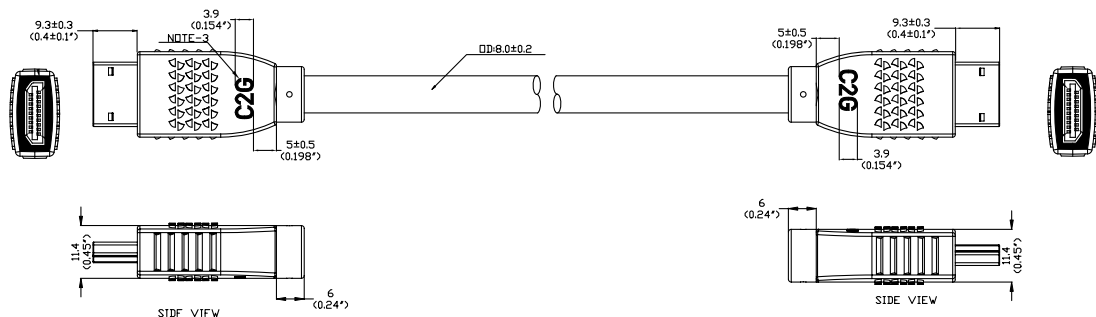
PHYSICAL CHARACTERISTICS

- Housing: PVC Molding, Black; Front of Housing Around Connector: Blue; C2G Logo: Blue
- Connector Insulator: Blue
- Jacket: PVC, Black
- Jacket OD: 6.0mm
- Conductor AWG: 30AWG
- Conductor AWG: 26AWG (C2G10456 only)
- Connector: HDMI Type A Male Connector, Metal Shell Gold Plated, Electrical Contact Copper; Alloy Gold Plated 5u'
- Product is CE Marked and Conforms to 2011/65/EU ROHS 2

C2G10452-55



C2G10456



LEGRAND | AV COMMERCIAL BRANDS

C2G | Chief | Da-Lite | Luxul | Middle Atlantic | Vaddio | Wiremold

SIMPLIFIED CONNECTIVITY

USA 800.506.9607 | c2g.com | legrandav.com | customer-service@c2g.com

EMEA +31 495 580 840 | c2g.com/uk | legrandav.com | c2g.emea@av.legrand.com

©2021 Legrand AV Inc. 210718 10/20 C2G is a registered trademark of Legrand AV Inc. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.