

# DATA SHEET



## Premium High Speed HDMI® Cable with Ethernet - 4K 60Hz

Premium High Speed HDMI Cables that have been tested for highest performance and ultra-reliability

### OVERVIEW

These Premium High Speed HDMI Cables have been tested to conform with the Premium HDMI Cable Certification Program for highest performance and ultra-reliability. These cables are ideal for HD Blu-ray and HD DVD video, experiencing resolutions up to 4K60 (3840x2160p), bandwidths up to 18Gbps, HDR for higher contrast ratios and vivid colors, plus 32 uncompressed digital audio channels to provide crystal-clear sound, making them perfect for home theater applications or digital signage.

#### Convenience

These cables are designed to exceed the highest measure of HDMI performance and will enhance video experiences with higher resolutions, increased speeds, sharper images and are backward compatible with previous HDMI specifications for existing HDMI devices. They also deliver dual video streams, so that two videos can be viewed simultaneously on a single display.

#### Performance

Each length of these cables have been tested to deliver the full 18Gbps bandwidth required by the specifications for Premium High Speed HDMI certification.

**Note:** Your display must support Multi-View in order to take advantage of dual video streams.

### FEATURES

- Supports resolutions up to 4096 x 2160 (4K x 2K) at 60hz 4:4:4, including 3D and dual video streams (Dual View)
- Data speeds up to 18.0Gbps
- Supports full HD Blu-ray and HD DVD video
- Supports 8, 10, 12, & 16bit per channel deep color
- Supports up to 32 audio channels and a 1536kHz audio sampling rate
- Supports DTS-HD Master Audio™, Dolby TrueHD™, DTS, Dolby AC3 & DSD Audio
- Supports extended CEC (Consumer Electronics Control) commands and functions, HDMI Ethernet Channel (100Mbps/s), and ARC (Audio Return Channel)

### ITEM DESCRIPTION

50187	18ft Premium High Speed HDMI Cable with Ethernet - 4K 60Hz
50188	20ft Premium High Speed HDMI Cable with Ethernet - 4K 60Hz

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## SPECIFICATIONS:

Premium High Speed HDMI® Cable with Ethernet - 4K 60Hz

### ELECTRICAL SPECIFICATIONS:

- HDMI 2.0, full HD Blu-ray Disc & HD DVD video, auto lip-sync, Audio Return Channel (ARC), Dual Video Streams (Dual View), Perceptual Quantizer (PQ) HDR OETF (SMPTE ST 2084), Hybrid Log-Gamma (HLG) HDR OETF, Static HDR metadata (SMPTE ST 2086)
- UHD 4Kx2K@60Hz 4:4:4, resolutions up to 4096 x 2160p (4K x 2K)
- Color Format: Y CbCr 4:4:4, Y CbCr 4:2:2, Y CbCr 4:2:0
- Color Depth: 8, 10, 12, & 16bit per channel deep color
- Color Space: SMPTE 170M, ITU-R BT.601, ITU-R BT.709, sRGB, xvYCC, sYCC, Adobe ycc601, Adobe RGB, ITU-R BT.2020
- DVD Audio, Super Audio CD (DSD), Dolby® True HD, DTS-HD Master Audio, Dolby Digital/Digital Plus, MPCM, DSD, DST, Dolby Atmos, DTS:X
- Maximum Audio Channels: 32
- Up to 1536kHz audio sample frequency for the highest audio fidelity
- 18Gbps bandwidth for high speed data transfer
- HDMI-CEC system control compatibility
- HDMI Ethernet Channel: 100Mbps/s (when used with HDMI Ethernet channel supported source and sync equipment)

### PHYSICAL SPECIFICATIONS:

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -25°C to 75°C

### PHYSICAL CHARACTERISTICS:

#### Component A

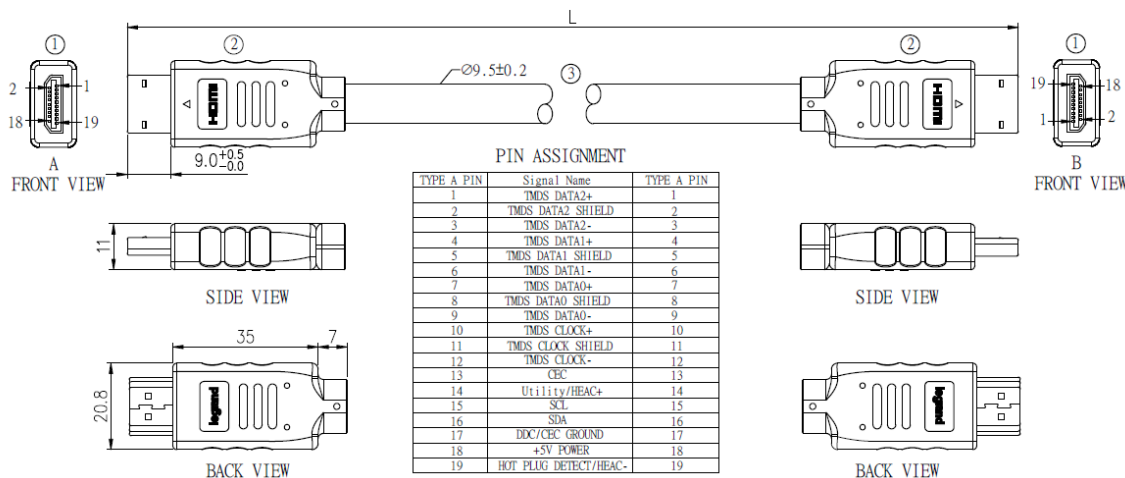
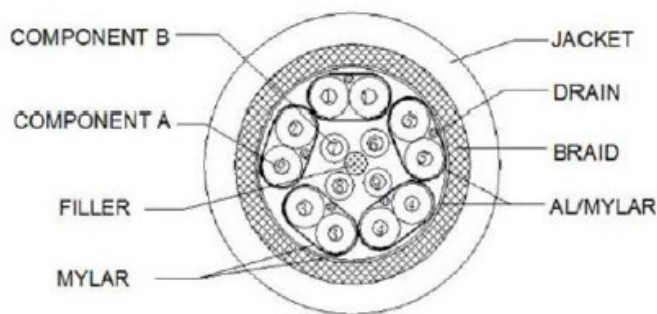
- Insulation NO of wire: 5P
- Insulation Material: FOAM-PE+SKIN
- Insulation OD: 0.70mm ± 0.05mm
- Insulation Thickness: 0.22mm
- Shield Drain: 1/0.254T (30AWG)
- Shield AL/Mylar: AL Face Inside
- Shield Mylar: Mylar

#### Component B

- Insulation NO of wire: 4
- Insulation Material: HDPE
- Insulation OD: 0.56mm ± 0.05mm
- Insulation Thickness: 0.15mm

#### Overall Cable

- Conductor Constitution: 1/0.254 (30AWG)
- Conductor Material: Tinned Copper
- Conductor Cabling OD: 0.254mm
- Cabling Filler: Filler
- Cabling AL/Mylar: AL Face Outside
- Cabling Braid Constitution N/mm: 16/9/0.10
- Cabling Braid Material: Tinned Copper Wire
- Cabling Braid Coverage %: 85%
- Jacket OD: 6.0mm ± 0.20mm
- Jacket Material: PVC (CL2)
- Jacket Thickness: 0.75mm
- Minimum Bend Radius: 95mm
- Marking: Premium High Speed HDMI Cable with Ethernet E468040 (UL) CL2 75°C 30AWG E468039 (UL) CMG c(UL) 75°C FT4 30AWG
- Product is CE marked and conforms to 2011/65/EU RoHS



# C2G®

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