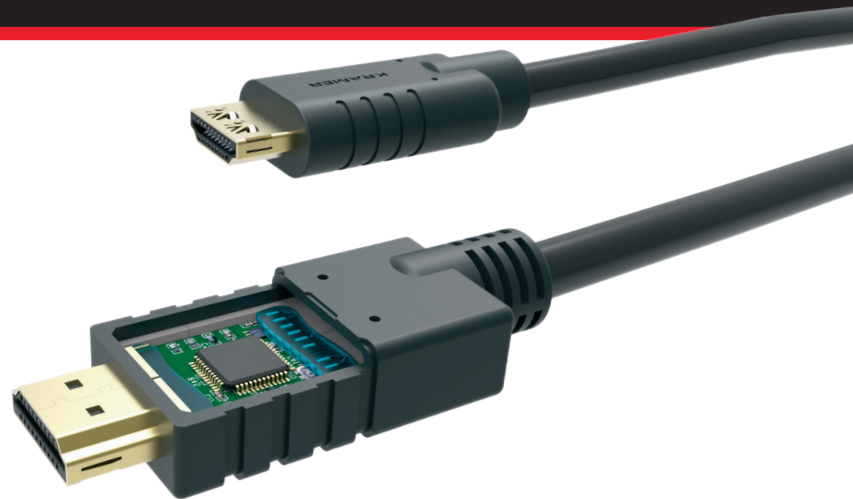# CA-HM

## Active High Speed HDMI™ Cable with Ethernet

The Kramer CA-HM active HDMI™ copper cable provides a perfect cable solution for delivering HDMI signal over long distances. CA-HM runs 18Gbps up to 20m (66ft), 10.2Gbps up to 25m (82ft), and 6.75Gbps up to 30m (98ft). The innovative technology utilized in the cable's connector features superior equalizing and signal compensation to meet the most demanding challenges in Pro AV installations.

This unique solution simplifies long distance installations by using a true plug & play cable that draws power from the HDMI™ source, without requiring an external power source. CA-HM features the Kramer exclusive K-Lock™ HDMI™ connector, securing your installation from unintentional cable disconnections and eliminating cable-related service calls. Additionally, a LED on the connector indicates successful signal transmission.
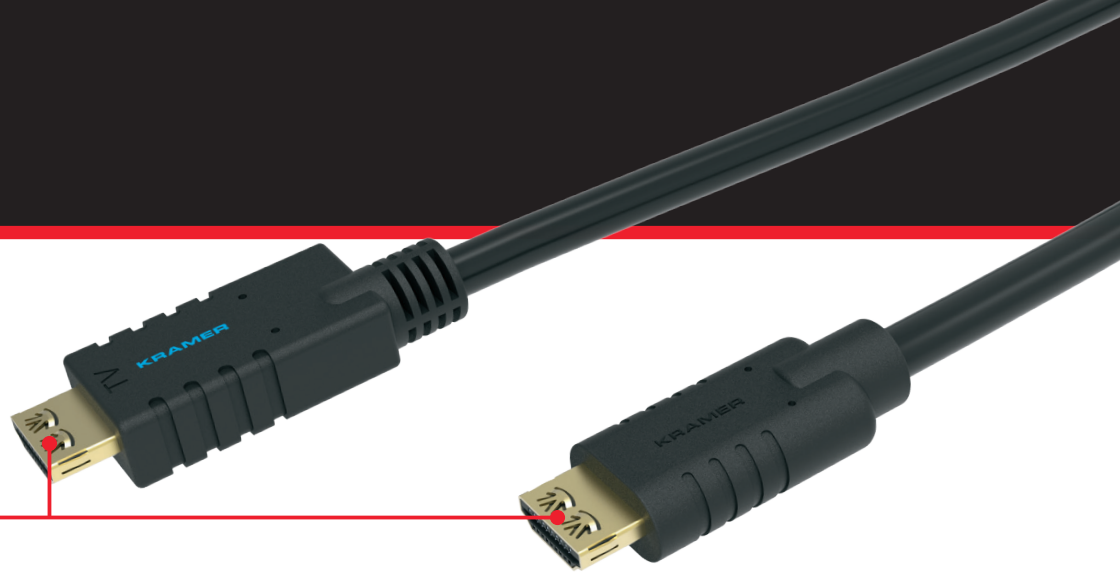
\* CA-HM is a directional cable.

Commercial INTEGRATOR 2018 BEST WINNER

## Features

- Video Resolution: Up to 4K@60Hz (4:4:4)
- High Data Transfer Rate: Up to 18Gbps
- HDMI Support: HDCP 2.2, HDR, EDID, ARC and CEC
- Deep Color and x.v.Color™, 5.1/7.1 lossless Dolby® TrueHD and DTS-HD Master Audio®
- High-quality Connectors: 24K gold-plated, corrosion-resistant and best possible connectivity
- Pull-resistant: K-Lock™ connectors with 15lbs of restraining force
- Triple shielded for maximum EMI protection
- UL listed, CL3/FT4 rated for in-wall installations
- Varied Selection of Lengths: Available in versions of 15 to 98ft (4.6 to 30m)

HDMI™ HIGH SPEED with Ethernet

x.v.Color

4K60 4:4:4 HDCP 2.2

HIGH SPEED

ACTIVE

DEEP COLOR

HDCP 2.2

ARC

3D

Non-slip connection with
15lbs of restraining force

# CABLE SPECIFICATIONS

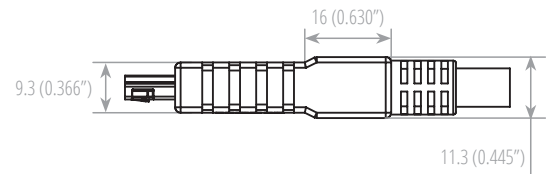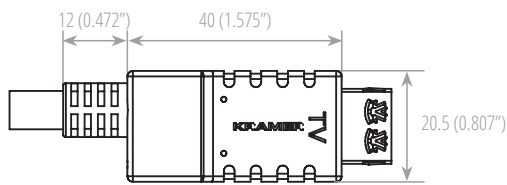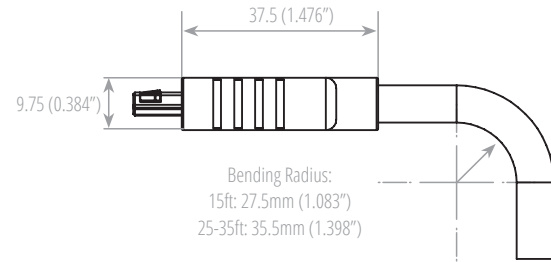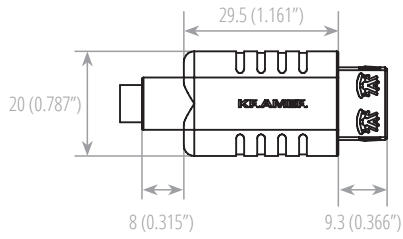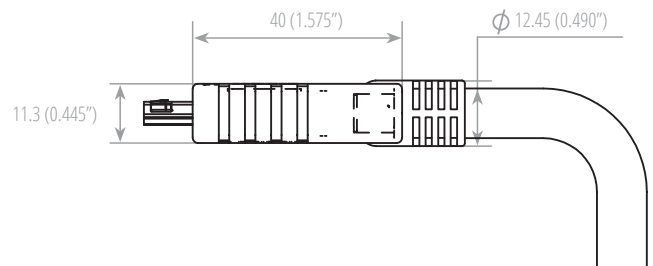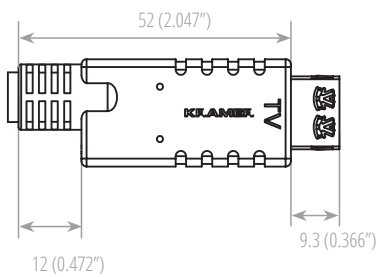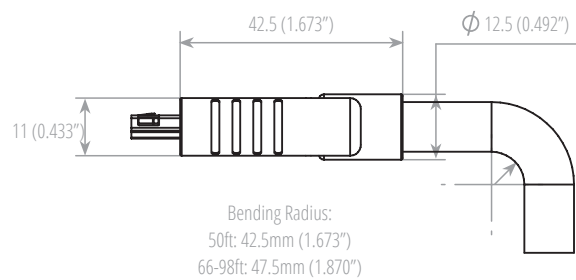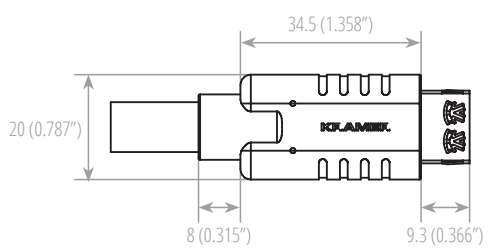| AUDIO & VIDEO SPECIFICATIONS | |
|---|---|
| **Video Resolution** | 15-66ft (4.6-20m): Up to 4K60 4:4:4; 82ft (25m): Up to 4K60 4:2:0; 98ft (30m): Up to 1080p@60Hz 12-Bit |
| **Data Rate (max)** | 15-66ft (4.6-20m): Up to 18Gbps; 82ft (25m): Up to 10.2Gbps; 98ft (30m): Up to 6.75Gbps |
| **Supported Audio Formats** | Dolby® Digital Plus, Dolby® TrueHD, DTS-HD Master Audio®, DVD Audio, SA-CD |
| **HDMI Compliance** | HDCP 2.2, HDR, EDID and CEC |
| **PHYSICAL SPECIFICATIONS** | |
| **Connector-1 (source end)** | Male HDMI Type A, 24K gold-plated K-Lock connector |
| **Connector-2 (display end)** | Male HDMI Type A, 24K gold-plated K-Lock connector (optional external power input via Micro USB connector) |
| **Conductors** | 15ft (4.6m): 32AWG; 25-35ft (7.6-10.7m): 28AWG, 50ft (15.2m): 26AWG; 66-98ft (20-30m): 24 AWG |
| **Shielding** | TMDS pairs: aluminum/mylar<br>Overall: aluminum/mylar + aluminum braid |
| **Outer Sheath Material** | PVC |
| **Outer Sheath Color** | Black |
| **Outer Sheath Diameter** | 15ft (4.6m): 5.5±0.15mm; 25-35ft (7.6-10.7m): 7.10±0.15mm<br>50ft (15.2m): 8.5±0.20mm; 66-98ft (20-30m): 9.5±0.25mm |
| **Cable Bending Radius** | 15ft (4.6m): 27.5mm; 25-35ft (7.6-10.7m): 35.5mm<br>50ft (15.2m): 42.5mm; 66-98ft (20-30m): 47.5mm |
| **Connector Max. Pulling Strength** | 15lbs/6.8kg |
| **ELECTRICAL SPECIFICATIONS** | |
| **Temperature Rating** | 80°C |
| **Voltage Rating** | 30V |
| **Conductor Resistance** | 32AWG: 588 Ω/km; 28AWG: 237.25588 Ω/km<br>26AWG: 148.94 Ω/km; 24AWG: 381 Ω/km |
| **Power Consumption** | 90mA (18Gbps) / 1mA (standby mode) |
| **REGULATORY** | |
| **Rating** | UL listed, CL3/FT4 |
| **RoHS** | 2011 / 65 / EU |

# OUTLINE DIMENSIONS

## 15-35ft

29.5 (1.161")

20 (0.787")

8 (0.315")  9.3 (0.366")

37.5 (1.476")

9.75 (0.384")

Bending Radius:
15ft: 27.5mm (1.083")
25-35ft: 35.5mm (1.398")

12 (0.472")  40 (1.575")

20.5 (0.807")

16 (0.630")

9.3 (0.366")

11.3 (0.445")

## 50-98ft

34.5 (1.358")

20 (0.787")

8 (0.315")  9.3 (0.366")

42.5 (1.673")  φ 12.5 (0.492")

11 (0.433")

Bending Radius:
50ft: 42.5mm (1.673")
66-98ft: 47.5mm (1.870")

52 (2.047")

9.3 (0.366")

12 (0.472")

40 (1.575")  φ 12.45 (0.490")

11.3 (0.445")

# ORDERING INFORMATION

| MODEL | DESCRIPTION | LENGTH | RESOLUTION |
|---|---|---|---|
| CA-HM-15 | Active High Speed HDMI™ Cable with Ethernet | 15ft/ 4.6m | 4K@60Hz (4:4:4) |
| CA-HM-25 | Active High Speed HDMI™ Cable with Ethernet | 25ft / 7.6m | 4K@60Hz (4:4:4) |
| CA-HM-35 | Active High Speed HDMI™ Cable with Ethernet | 35ft / 10.7m | 4K@60Hz (4:4:4) |
| CA-HM-50 | Active High Speed HDMI™ Cable with Ethernet | 50ft / 15.2m | 4K@60Hz (4:4:4) |
| CA-HM-66 | Active High Speed HDMI™ Cable with Ethernet | 66ft / 20m | 4K@60Hz (4:4:4) |
| CA-HM-82 | Active High Speed HDMI™ Cable with Ethernet | 82ft / 25m | 4K@60Hz (4:2:0) |
| CA-HM-98 | Active High Speed HDMI™ Cable with Ethernet | 98ft / 30m | 1080p@60Hz 12-Bit |

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