

8K HDMI Extension Cable

HD036



Overview

VCELINK 8K HDMI extension cable, compliant with the HDMI 2.1 standard, supports a transmission speed of up to 48 Gbps and extends connections while delivering high-quality video up to 8K at 60Hz, with Dynamic HDR and high-fidelity audio. Designed for durability, it features an aluminum alloy shell for heat dissipation, a flexible nylon-braided design for strain relief, and gold-plated connectors for stable signal transmission over long distances. Its slim, plug-and-play design is perfect for tight spaces, making it ideal for connecting TV sticks, game consoles, or laptops. Perfect for home entertainment, gaming, and professional presentations.

Benefits

HDMI 2.1 standard

Supports up to 8K at 60 Hz resolution

Extends HDMI connections

Aluminum alloy shell for heat dissipation

Flexible nylon-braided cable for strain relief

Gold-plated connectors for stable signal transmission

Plug-and-play design

Ideal for tight spaces

Technical Specification

Parameter	Value
Product Type	HDMI Extension Cable
Color	Dark Gray
Components	HDMI Extension Cable, Plastic Dust Cover
HDMI Male Connector Metal Shell Material	Aluminum Alloy 6063
HDMI Female Connector Metal Shell Material	Aluminum Alloy 6063
HDMI Male Connector Outer Material	Gold Plated Iron Shell
HDMI Female Connector Outer Material	Gold Plated Iron Shell
Cable Strain Relief Material	Black PVC
Plastic Dust Cover Material	LDPE
Cable Outer Jacket Material	PVC
Cable Outer Braided Material	Nylon
Braided Shield Material	Aluminum-Magnesium Wire
HDMI Male Connector Metal Shell Process	Extrusion
HDMI Female Connector Metal Shell Process	Extrusion
Plastic Dust Cover Process	Injection Molding
Cable Strain Relief Process	Injection Molding
Cable Outer Jacket Process	Extrusion
Braided Shield Process	Braiding
Size	Length: 7.09 +/- 0.39 inch (180.00 +/- 10.00 mm)
Female Connector Size	L x W x H: 1.59 inch x 0.71 inch x 0.38 inch (40.50 mm x 18.00 mm x 9.60 mm)
Male Connector Size	L x W x H: 1.59 inch x 0.62 inch x 0.31 inch (40.50 mm x 15.80 mm x 8.00 mm)
Net Weight	0.04 lb (19.70 g)

Technical Specification

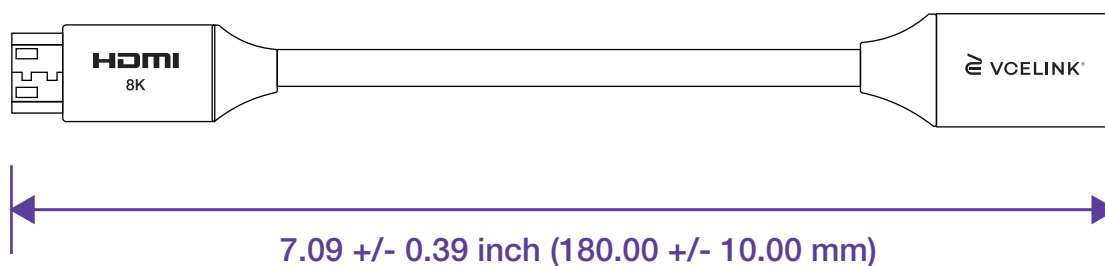
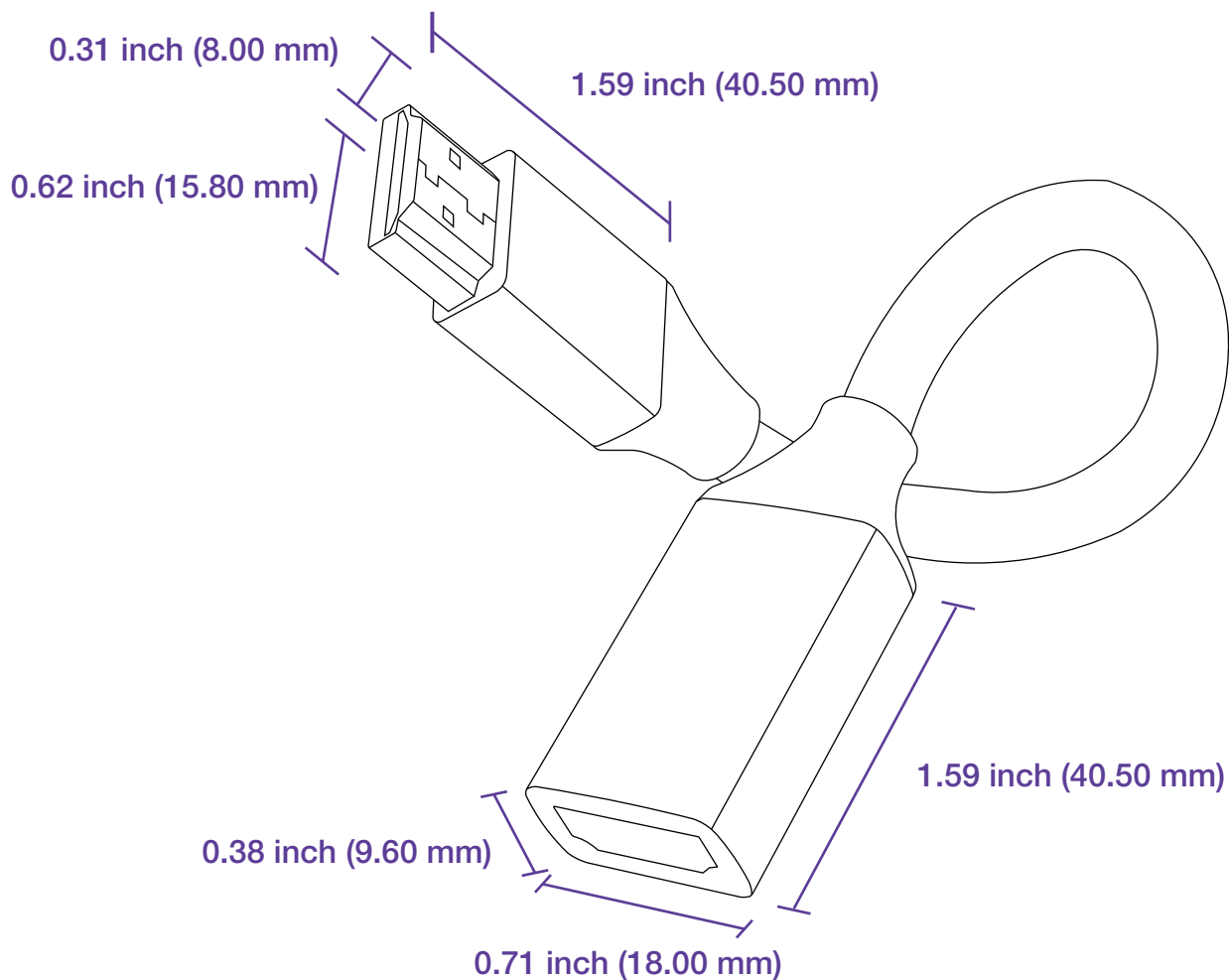
Parameter	Value
Functions	Extends HDMI signal transmission distance, making it easy to connect remote devices (such as TVs, projectors, or monitors) while ensuring high-quality audio and video signal transmission.
Cable Internal Structure	HDMI2.1(1/0.254BC*1P+D1/0.20BC+AM)*5P+1/0.20BC*3C+1/0.32BC*1C+AL+D(1/0.32BC)+B(48/0.12AM)
Cable Outer Diameter	OD: 0.24 inch (6.00 mm)
Applicable Equipment	TVs and monitors, Projectors, Gaming consoles (e.g., PlayStation, Xbox), Blu-ray players, AV receivers, Laptops and desktop computers, Home theater systems, Streaming devices
Compatibility	Compatible with Standard Type A HDMI Connectors and backward compatible with HDMI 2.0b/2.0a/1.4/1.3/1.2/1.1
Port	2
HDMI Version	HDMI 2.1
Data Rate Support	48 Gbps
DC	300 V
Rds (ON)	5 Ω
Insulation Resistance	10 M Ω
Style	HDMI Female to Male, Type A
Supported Video Formats	1080p (1920x1080): Up to 240 Hz or potentially higher, depending on the capabilities of the display and connected devices. 2K (1440p or 2560x1440): Up to 240 Hz 4K (3840x2160): Up to 120 Hz 5K (5120x2880): Up to 60 Hz 8K (7680x4320): Up to 60 Hz
Video & Audio Features	Dolby Atmos, Dolby Vision, Dynamic HDR, 3D, DSC
Gaming & Performance Features	VRR, QMS, QFT, ALLM
Content Protection & Compatibility	HDCP 2.2 & 2.3, eARC, DTS: X
Supported Display Modes	Extended Mode, Mirroring Mode
Implementation Standards	HDMI Association Standards
Environmental Requirements	Keep the cable away from direct sunlight or high temperatures to prevent aging.

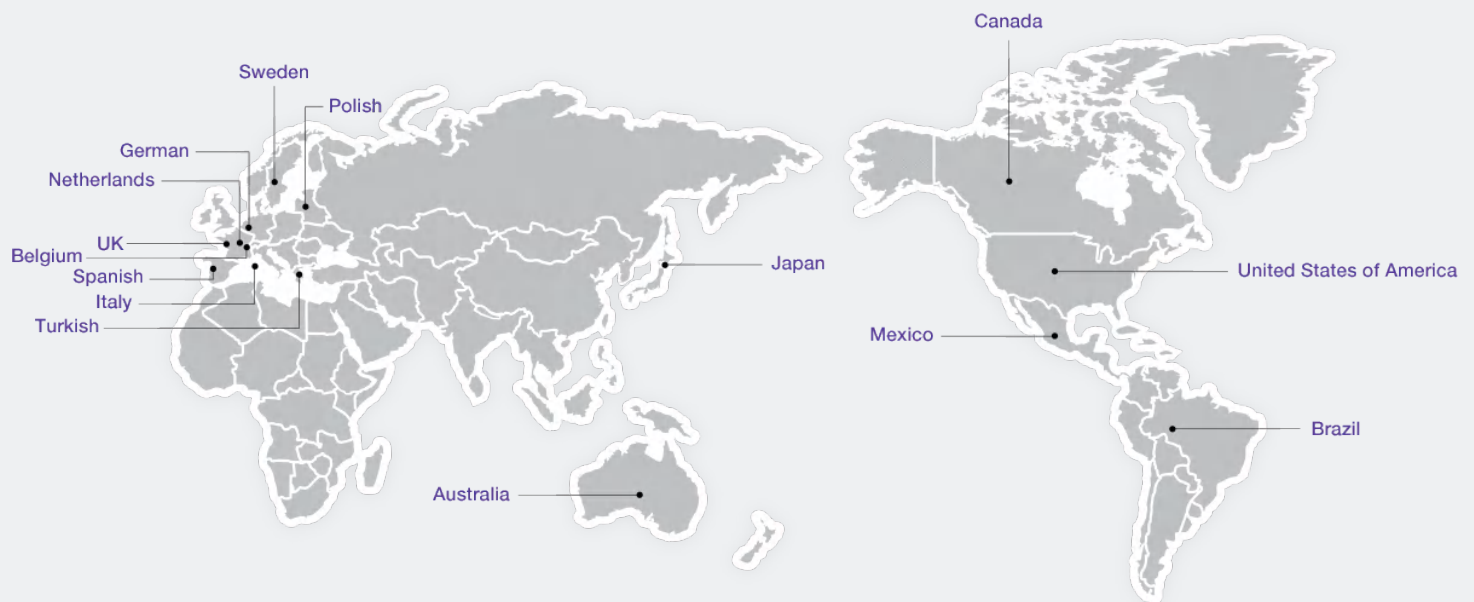
Technical Specification

Parameter	Value
Maintenance and Cleaning	Wipe the cable with a dry cloth and use a soft brush to clean dust from the connectors. Use plastic dust cover to prevent damage from external factors when not in use.

Technical Specification

Unit	in/mm
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 <https://www.vcelink.com>

Company Profile

HANGZHOU HONGJIE ELECTRONICS CO., LTD, established in 2006, is headquartered in Hangzhou, China. Under its brand "VCELINK," the company specializes in the production and sale of high-quality network accessories, network cables, optical cables, patch cords, audio-video accessories, as well as various types of tools. These products are primarily used in the fields of structured cabling, computers, and the electronics industry. VCELINK offers personalized customization services to its customers, and in addition to online direct purchases, users can also choose bulk procurement or customized services, all aimed at meeting the unique needs of various customers.

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