

ULTRA SLIM



HDMI
High Definition Multimedia Interface

100%
COPPER

ULTRA LONG ACTIVE FIBER CABLE



KAYBE[®]

HDMI – FIBER OPTIC 2.0 version
with *Retractable Connectors*



INTRODUCTION

OPTICAL FIBER HDMI CABLE – 2.0 VERSION RETRACTABLE



HDMI AOC is the most competitive long-distance transmission solution for high definition on the market today.

- Use industry-leading parallel optoelectronic conversion components.
- HDMI 2.0V support bandwidth up to 18Gbps, process 4K@60Hz 4:4:4, 3D, 48-bit color depth video signals.
- HDMI 2.1V compatible with 2.0V, support bandwidth up to 48Gbps, process 8K@60Hz, 4K@120Hz video signals.
- Built-in advanced optical engine, KAYBE cable supports signal transmission up to 400 meters, while industrial cables generally only support up to 200 meters.
- Plug and play, no power supply needed.



INTRODUCTION

Process Flow



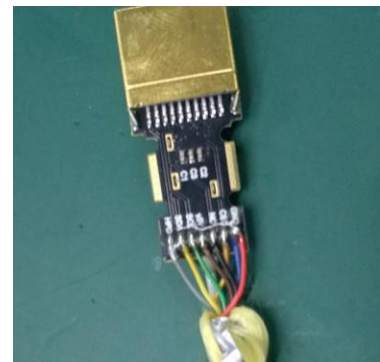
Cabling



Peeling & Cutting

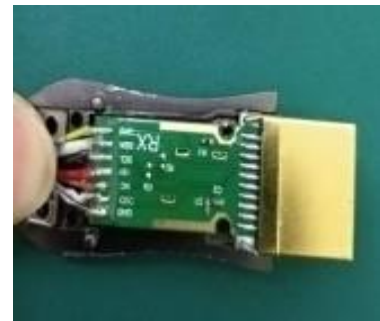


Fiber Connecting



Soldering

Case Assembling



Screwing



Test



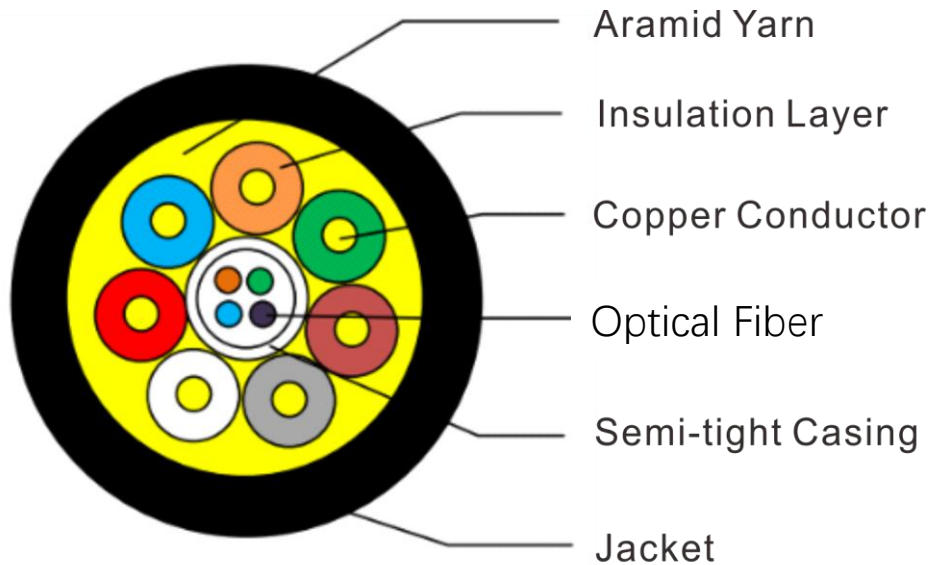
Packaging





INTRODUCTION

Cable Structure

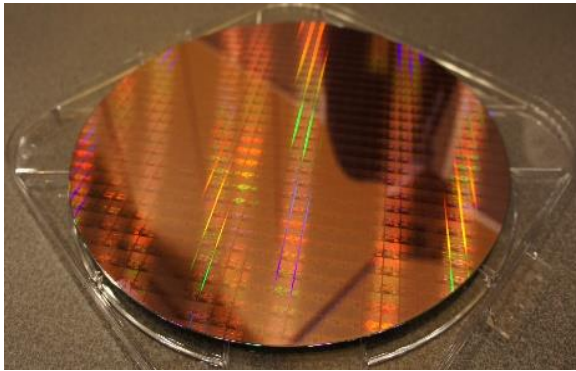
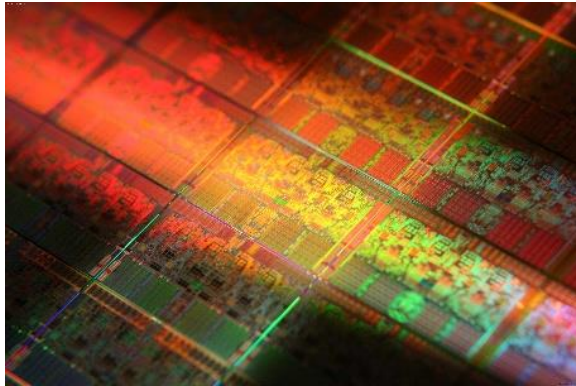


Cable Length	70 – 200 Meters
Connector	HDMI A - A HDMI D - D HDMI A – DVI
Bandwidth & Resolution	2.0V 18Gbps, Support 4K@60Hz ultra HD video 2.1V 48Gbps, Support 8K@60Hz ultra HD video
Power Supply	No external power supply needed
Power Dissipation	≤250mw
OD	4.8mm
HDCP Version	HDCP 2.2, HDCP 2.1
Ultimate Bending Radius	D15mm, working properly in 10 turns of winding
Pulling Force	100N (15min)
Working/Storage Temperature	-40-70°C



INTRODUCTION

Chip Solution



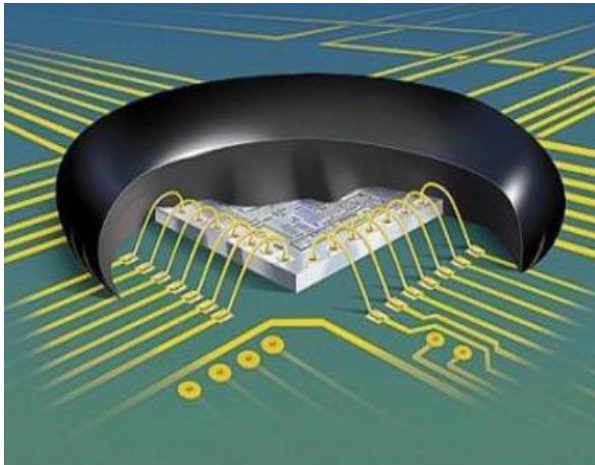
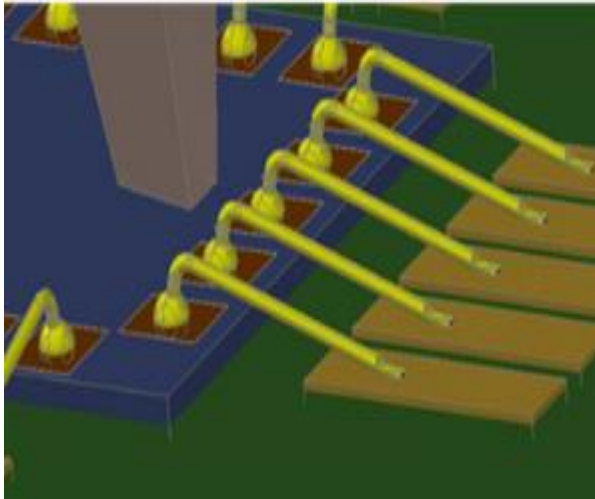
Use the world most advanced single chip solution KOREA

- Ultra-small chip area, less than 1.2mm²
- Ultra low power dissipation, less than 250mW
- No external power supply needed, use it anytime
- Advanced COB (chip on board) technology for higher signal speed and better quality than traditional PCB traces solution
- Wafer direct mounting
- 25um diameter gold wire bonding



INTRODUCTION

Die Bonding



Ultra-high precision optical alignment

- Use the highest precision equipment, less than 5um
- Use the most advanced optical passive alignment method

Advanced optical fiber cable technology

- Fiber Home - the world leading research and manufacture technology of Optical Fiber
- Fiber Home - mature and perfect Optical Fiber cable forming technology

Optical Fiber cable performance test

- Excellent mechanical property, good tensile & stress strength performance
- RoHS compliant TPE material jacket, wear-resisting, oil proof, environment friendly
- Good temperature property
- Excellent flame-retardant property, UL1581 WV-1 test passed



APPLICATIONS



Home Cinema



Outdoor LED



Panel

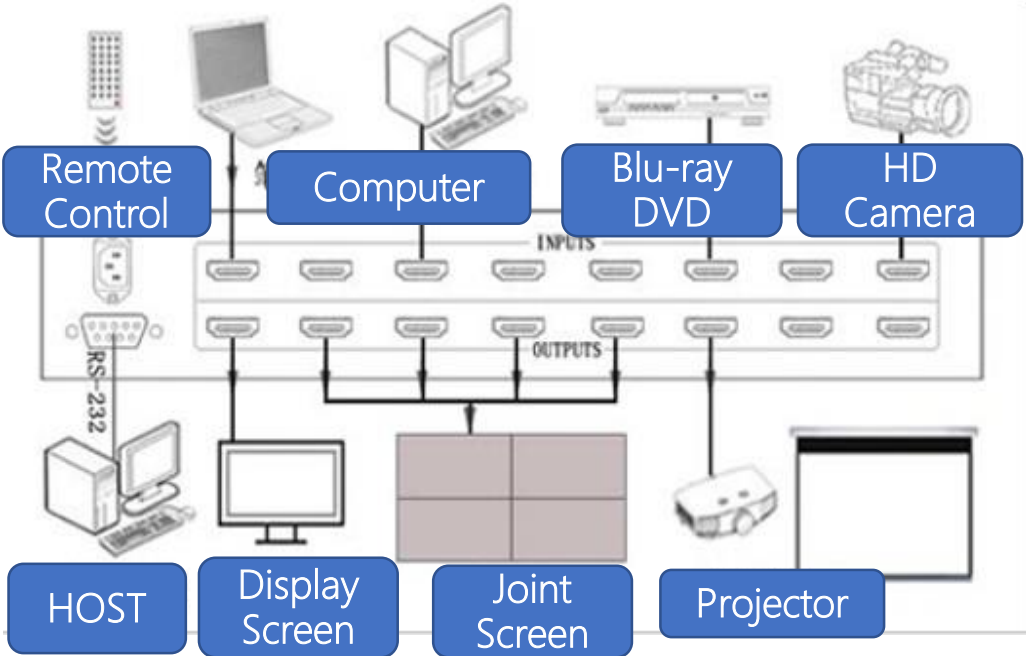
Outdoor LED



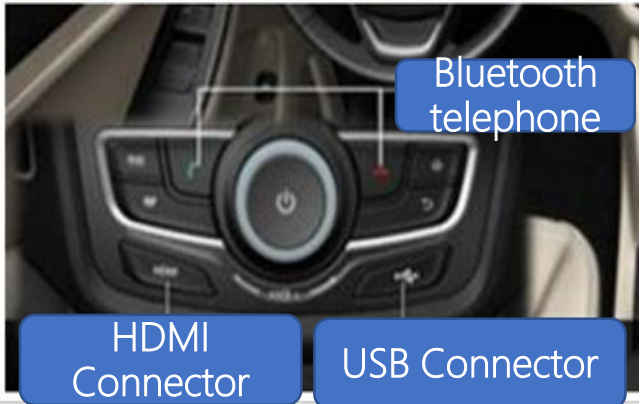
Image System



HD Video Conference



Gaming



HDMI Connector

USB Connector

Bluetooth telephone



KAYBE – COPPER HDMI SOLUTIONS

Cable Length From 1.5meters to 50meters

Connector	HDMI A - A
Bandwidth & Resolution	2.0V 18Gbps, Support 4K@60Hz ultra HD video -
Power Supply	No external power supply needed
Power Dissipation	≤250mw
OD	8mm to 10mm
HDCP Version	HDCP 2.2, HDCP 2.1
Ultimate Bending Radius	D8mm, working properly in 10 turns of winding
Pulling Force	100N (15min)
Working/Storage Temperature	-40-70°C - UL RATED PVC





KAYBE[®]

For More Queries & Product Sample Testing, Contact us on:

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