

8K/HDMI Optical Fiber HDMI Cable

100m long distance lossless transmission



8K

ULTRA HD

144Hz

High refresh rate

VRR

Variable refresh rate

48Gbps

High bandwidth

HDR

Dynamic display

BT.2020

UHD blue light

eARC

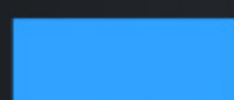
Audio backhaul

DOLBY

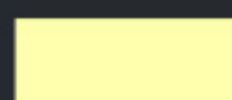
Dolby sound

100m Long Distance Lossless Transmission

Optoelectronic conversion modules are used at both ends to realize mutual conversion of optical signal and electrical signal



Electric signals



Optical signals



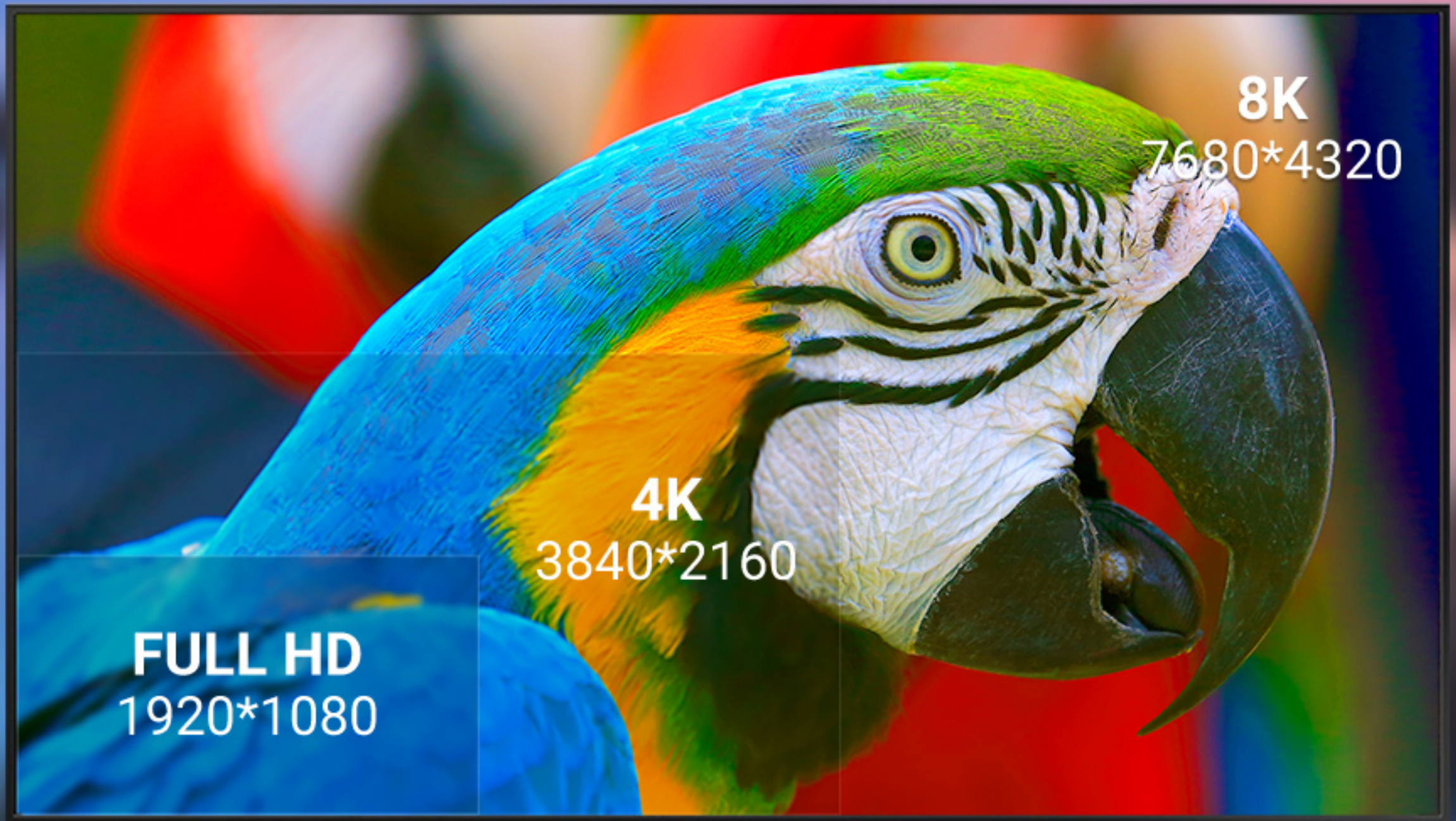
Optical Fiber Era

- Signal conversion, no compression
- Light speed transmission without delay
- No electromagnetic interference
- Long distance transmission, no attenuation
- Low power consumption
- No radiation



8K Ultra HD

Full length support 4K @ 120Hz, 8K @ 60Hz HD resolution
Support VRR game mode to reduce lag/crack



48Gbps High Bandwidth

Compliant with HDMI protocol standard



10.2Gbps

18Gbps

48Gbps

eARC

HiFi Fever Sound Quality

Support multiple audio formats for transmission,
the sound is bright and real



5.1 / 7.1
channel

Dolby Atmos
Panoramic sound

Lossless full format
Sound quality

HDR High Dynamic Range Image

Structured, stereoscopic image, colorful

With HDR
True 8K True HD

No HDR
Normal quality



ALLM Automatic Low Latency Mode

Automatically set ideal delay for smooth viewing and interactive experience



FRL New Core Technology

FRL fixed-rate links replace TMDS technology to ensure stable transmission

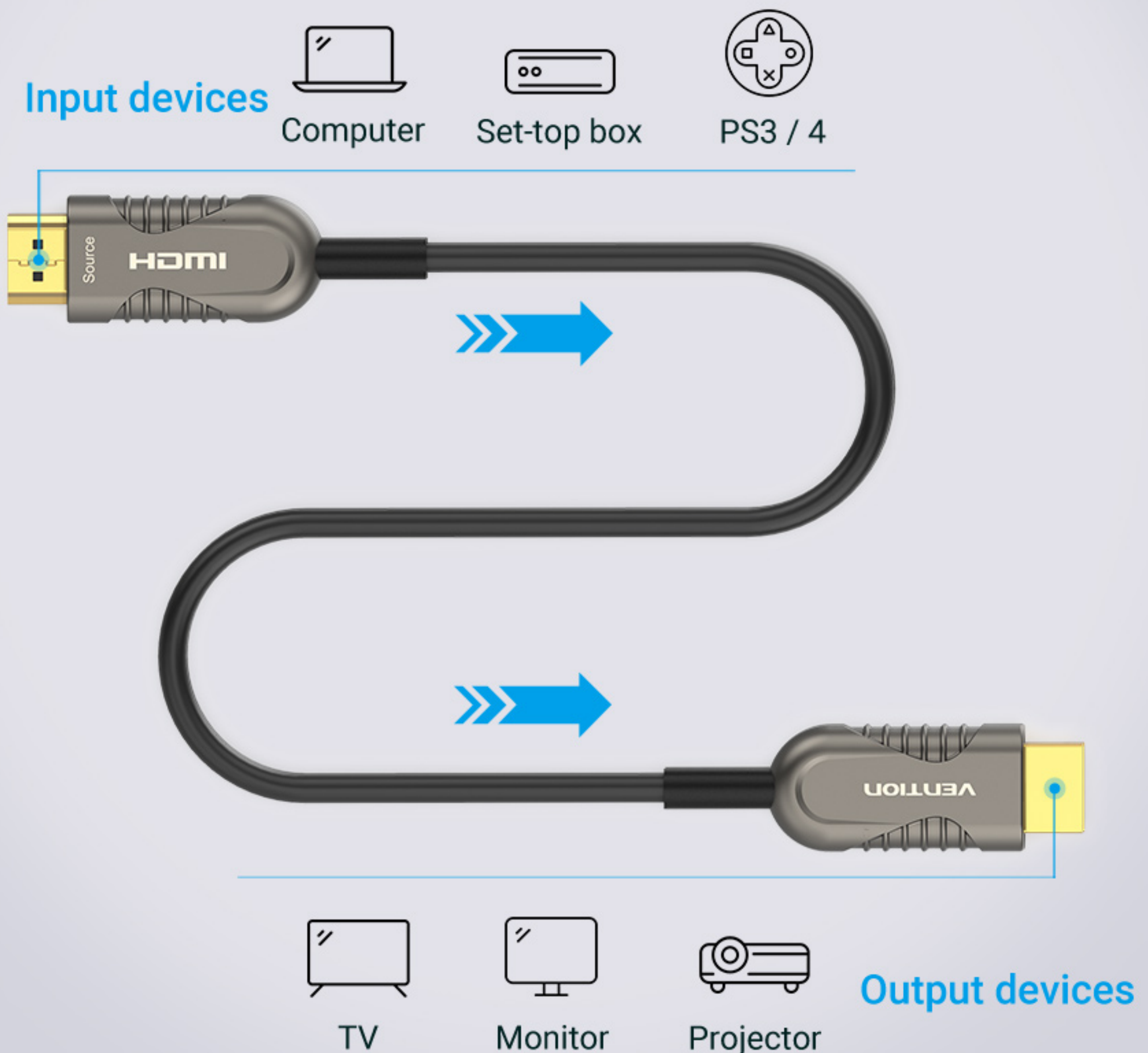
Reduce signal
loss rate

Improve picture
clarity



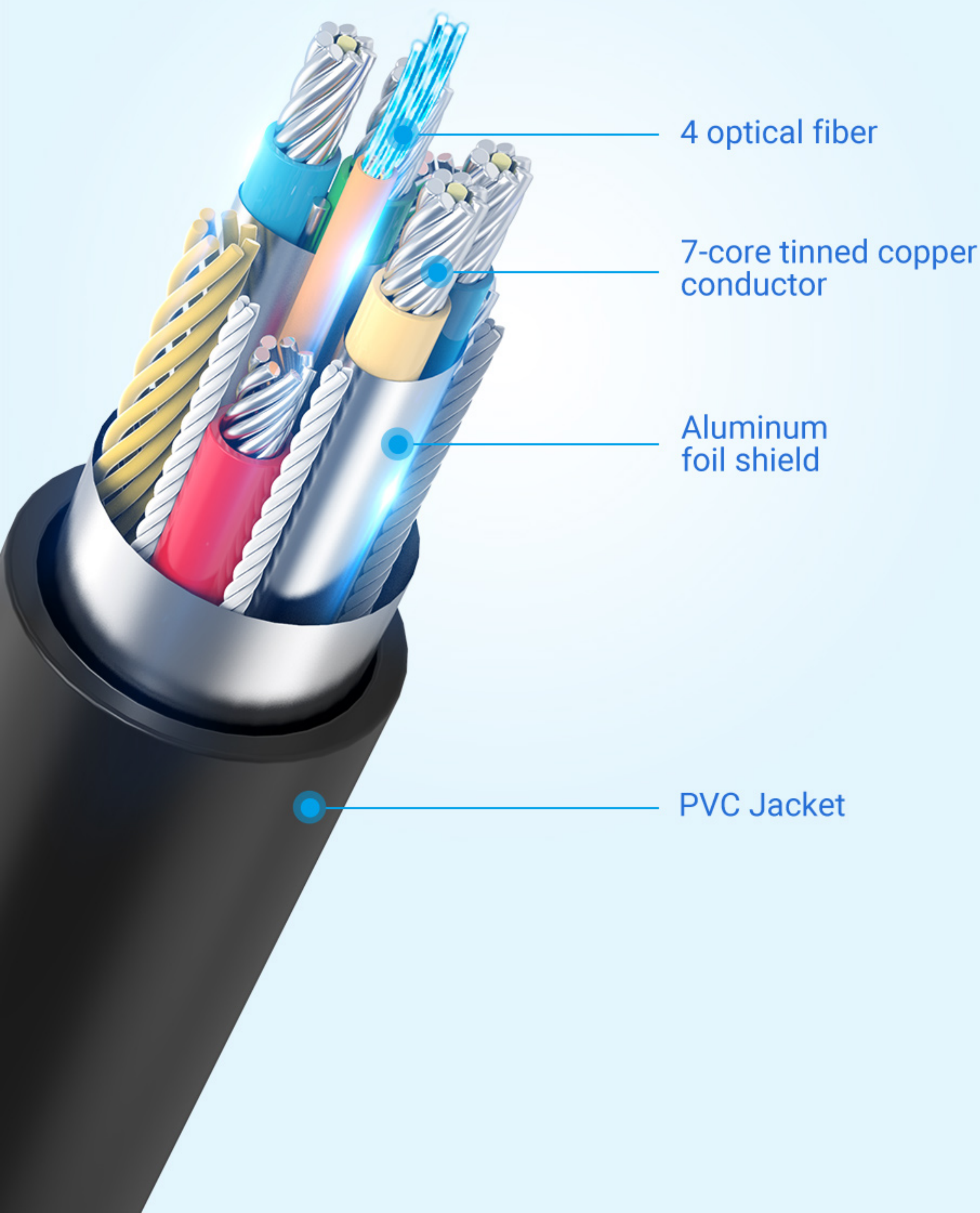
Connection Diagram

Optical fiber cable unidirectional transmission, does not support reverse use, please confirm the direction before use



4 Optical Fiber Stable Transmission

Adopt 4-core fiber, support 100m transmission, no need to worry about signal interference when use



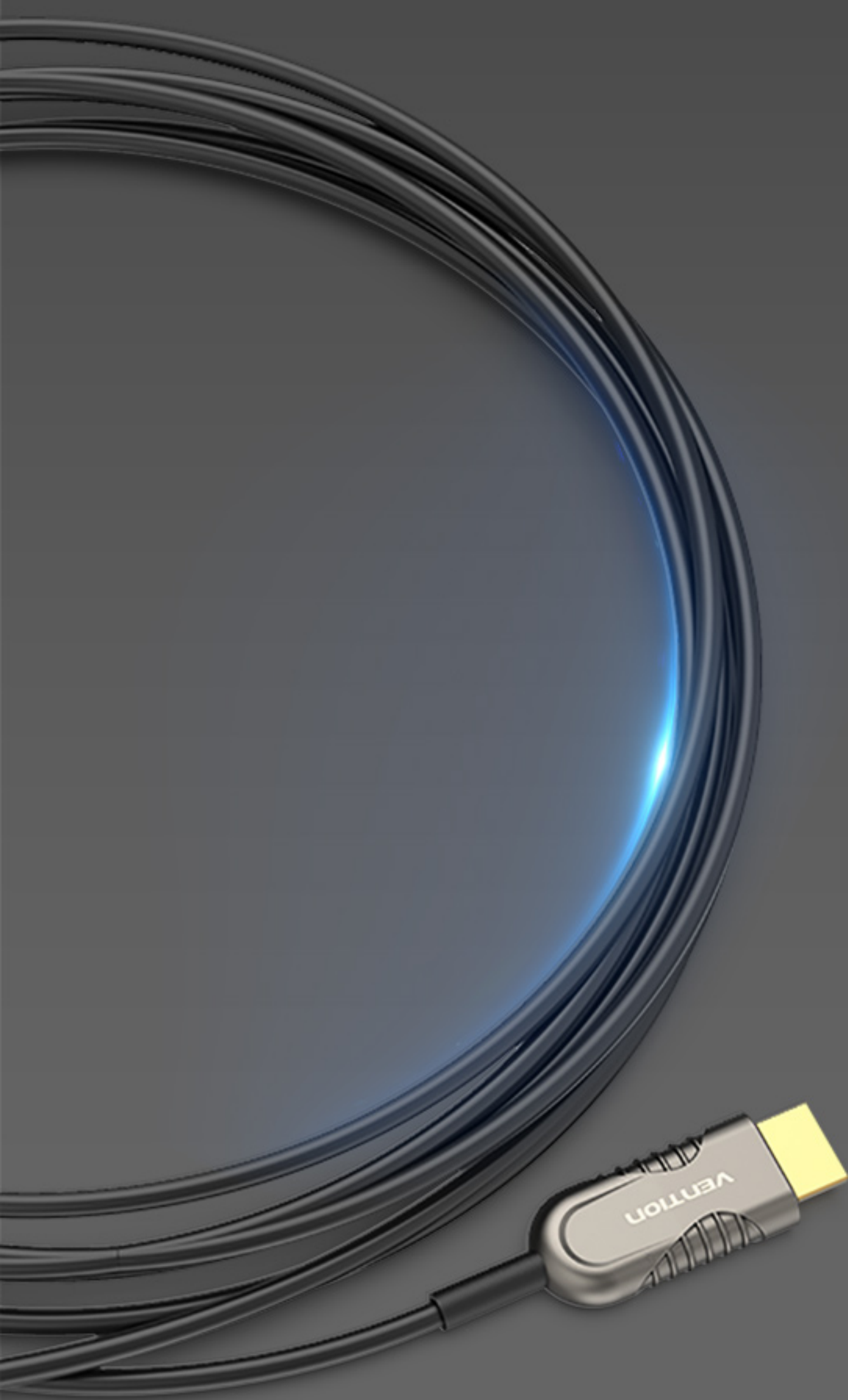
Zinc Alloy Shell

Hardness is 65-140N,
tensile strength is 260-440N
much higher than aluminum alloy



Gold-plated Interface

Anti-oxidation /durable in swapping



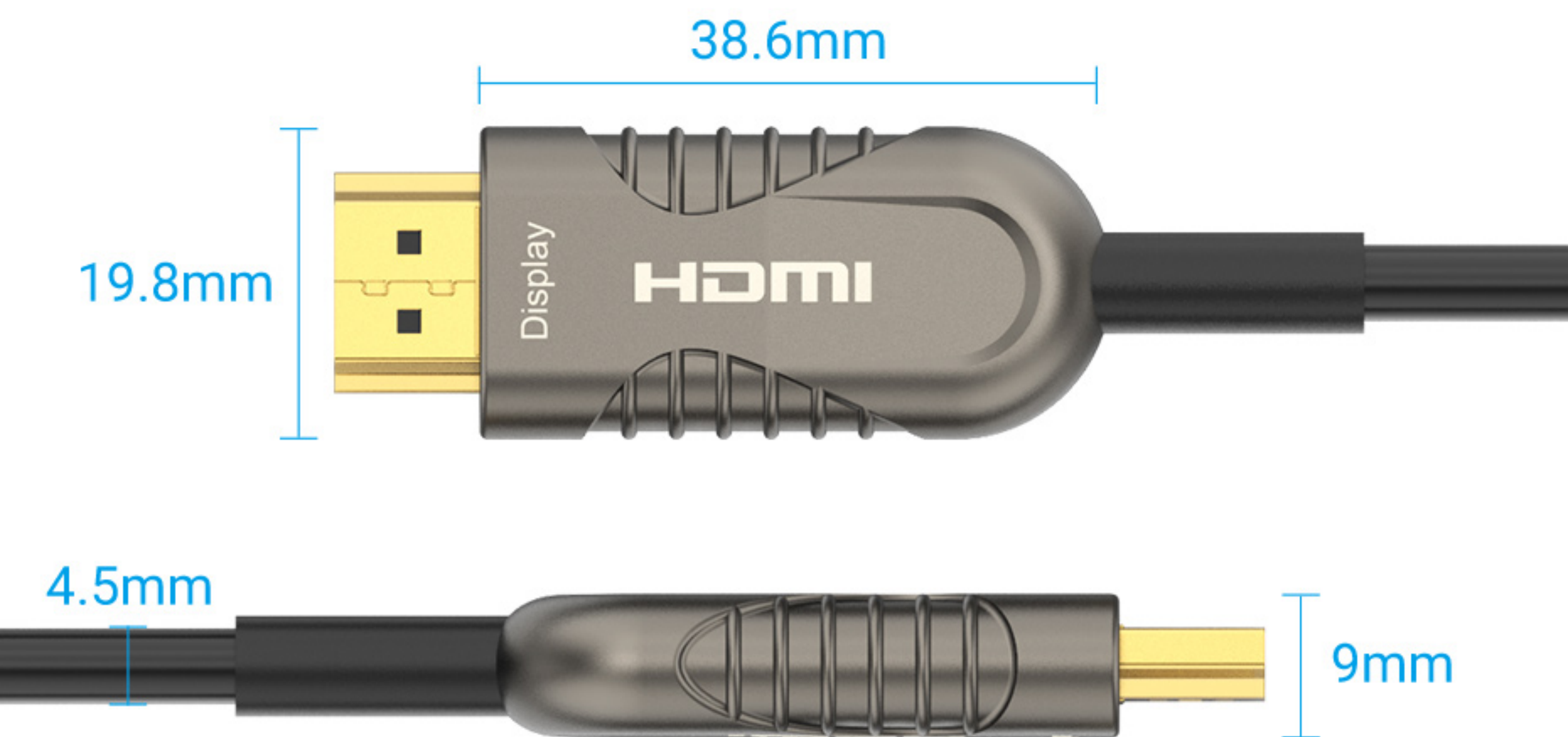
Light and Flexible

Wire diameter is only 4.5mm
15m weighs only 350 grams
100N allows tensile force
200N crushing force
easy to construct cabling

Note:All data are from Vention Lab.

Product Parameters

Brand: Vention	Shell: Zinc Alloy
Name: Optical Fiber HDMI Cable	Chip: Optoelectronic Conversion Chips
Model: AAZ	Shielding: Aluminum Foil
Color: Black	Jacket: PVC
Interface: HDMI Male	AWG: 30AWG + 28AWG + 26AWG
Interface Technics: Gold-plated	OD: 4.5mm
Resolution: 1080P@160Hz/2K@144Hz/4K@120Hz/8K@60Hz	
Resolution: 4K@120Hz~8K@60Hz	Length: 1.5-100m
Transmission Speed: 48Gbps	Warranty: 1 Year
Conductor: Tinned Copper + Optical Fiber	Packing: Color Box (1.5-40m) / Gift Box (50-100m)



Note: All data are from Vention Lab.
Sizes above are manually measured. There might be slight tolerance.