



Chibi Zhilixing Electronic Technology Co., Ltd.

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## HDMI 2.1 8K Armoured Active Optical Cable

TMDS signal,100meter transmission distance,48Gbps,no signal attenuation, anti-EMI



48Gbps

HDMI 2.1

HDR

EMI

Name	HDMI 8K Aromured Active Optical Cable
Model No.	ZLX-20-100
Resolution	8K@60Hz,4K@120Hz
Bandwidth	48Gbps
Chip	Imported photoelectric conversion chip
Color space	4:4:4 Max
Color depth	12 bit Max
Type	Male - Male
Core	4-core fiber + 7-core tinned copper
Outer diameter	6.5mm
Shell	Zinc alloy
Jacket	PVC, RoHS Directive-compliant
Power supply	No external power supply required, plug and play
Support	eARC/HDCP 2.2/HDR/EDID/DDC/3D/EMI
Power consumption.	250mW
Working temperature	-40°C~70°C

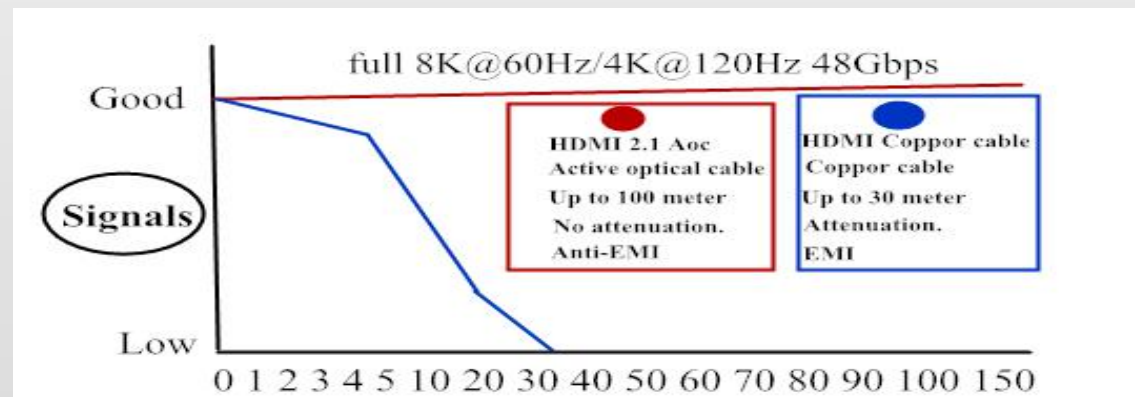
### FEATURE

- 1, Compatible with all HDMI Standard devices.
- 2, Compliant with HDMI 2.1 version specification.
- 3, Four-core optical fiber transmits TMDS signals, Seven--core tinned copper transmits signaling protocol. Anti-electromagnetic interference,No attenuation.
- 4, Support long transmission distance,the longest over 100 meters.
- 5, Photoelectric conversion chip to improve compatibility, stability and service life.
- 6, Plug and play, no need external power support,no drivers program required
- 7, Zinc alloy shell Anti-electromagnetic interference increase wear resistance and improve service life.
- 8, Compact zinc alloy shape,more suitable for pipe wiring.

### SUPPORT




### DETAILS



## APPLICATION

eARC power HIFI sound  
Multiple audio formats transmission  
Bright sound really  
More shock of audio-visual experience



5.1/7.1 track | Dolby Atmos | Nondestructive quality

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- 1, Large screen display multimedia display control system.
- 2, Remote flat-panel TV.
- 3, Medical image display.
- 4, large outdoor advertising screens.
- 5, Public security HD camera.
- 6, High-definition long-distance video conferencing.
- 7, Large poster. Home theater.
- 8, High-defintion digital bulletin board.
- 9, Family, school, monitoring, security.
- 10, Aviation aircraft video imaging system.
- 11, Splicing screen video display.

8K High-definition image quality  
Resolution support:  
8K@60Hz /4K@120Hz 4:4:4

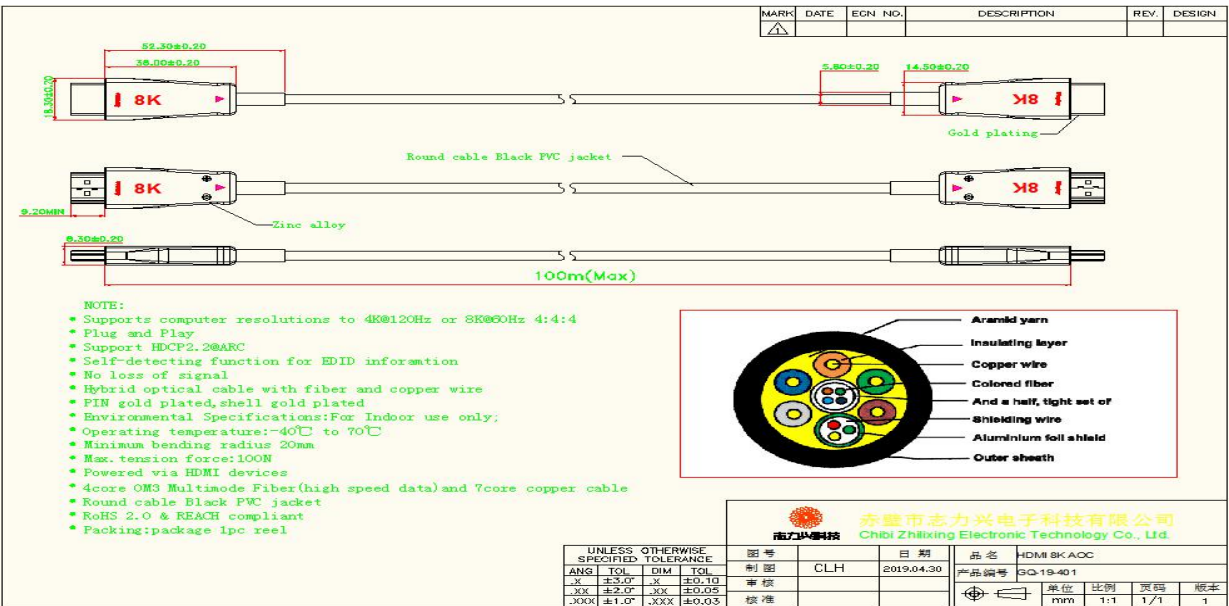


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## CUSTOM SERVICES

<b>Length</b>	10~100 meter
<b>Zinc Alloy Shell's color</b>	Black/Silver/ Others
<b>Rubber core's color</b>	Black/Blue
<b>Jacket</b>	PVC/Braiding/Steel/CL3
<b>Logo</b>	Customizable for free
<b>Packing</b>	Customizable
<b>Connector</b>	Type A/Mini/Micro
<b>Type</b>	Male/Female

## ENGINEERING DRAWING



MARK: DATE: EGN. NO.: DESCRIPTION: REV: DESIGN:

Dimensions: 11.8±0.20, 9.2±0.20, 9.30±0.20, 32.30±0.20, 38.00±0.20, 5.80±0.20, 14.50±0.20, 100m(Max)

Components: Round cable Black PVC jacket, Zinc alloy, Gold plating, Aramid yarn, Insulating layer, Copper wire, Colored fiber, And a half, tight set of, Shielding wire, Aluminium foil shield, Outer sheath

NOTE:

- Supports computer resolutions to 4K@120Hz or 8K@60Hz 4:4:4
- Plug and Play
- Support HDCP2.2@ARC
- Self-detecting function for EDID information
- No loss of signal
- Hybrid optical cable with fiber and copper wire
- PIN gold plated, shell gold plated
- Environmental Specifications: For Indoor use only;
- Operating temperature: -40°C to 70°C
- Minimum bending radius: 20mm
- Max. tension force: 100N
- Powered via HDMI devices
- 4core OM3 Multimode Fiber (high speed data) and 7core copper cable
- Round cable Black PVC jacket
- RoHS 2.0 & REACH compliant
- Packing: package 1pc reel

UNLESS OTHERWISE SPECIFIED TOLERANCE

ANG	TOL	DIM	TOL
°	±0.05	mm	±0.10
mm	±0.20	mm	±0.05
.000	±1.0°	.XXX	±0.03

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图号	日期	品名	HDMI 8K AOC
制图	2019.04.30	产品编号	CQ-19-401
审核		单位	比例
标准		mm	1:1
		页码	1/1
		版本	1

## PACKING

Length (meter)	Weight (kg)	Packaging	Packing size (cm)	Each box number (piece/box)	Each box weight (box/kg)
10m	0.34	Velcro tape+OPP bag	39×33×26	30	10.7
20m	0.59	Velcro tape+OPP bag	39×33×26	25	12.5
30m	0.80	reel+box	46×22×41	10	11.9
40m	1.06	reel+box	46×22×41	10	14.5
50m	1.32	reel+box	46×22×41	10	17
60m	1.57	reel+box	45×22×30.5	4	8.4
70m	1.83	reel+box	45×22×30.5	4	9.8
100m	2.59	reel+box	45×22×30.5	4	13.5

## CONTACT

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