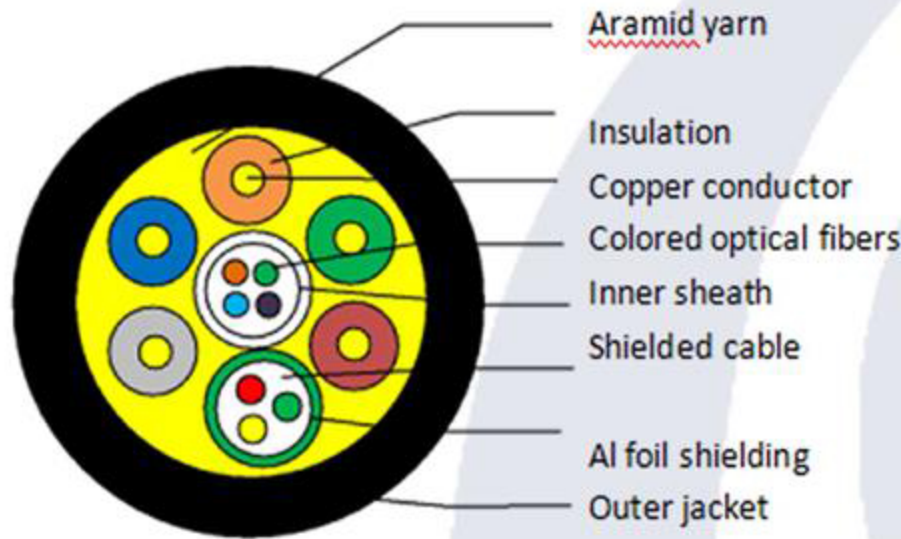


1. Description

HDMI AOC cable are composed of 1 optical unit of 4 core, 5 electrical units and 1 shielded cable

2. Sectional drawing



3. Specification of optical fiber

		Specification
		50/125
Features	Optical fiber core diameter	m 50±2.5
	Optical core cladding diameter	m 125±1.0
	Core ovality	% ≤6.0
	Cladding ovality	% ≤2.0
	Concentricity error of core and cladding	m ≤1.5
	Coating layer diameter	m 245±10
	Coating layer ovality	% ≤6.0
	Connectricity error of coating and cladding	m ≤12
Numerical aperture		0.200±0.015
Band width MHz.km	850nm	≥700
	1300nm	≥500
Attenuation dB/km	850nm	≤3.2
	1300nm	≤1.2
Notes		Indoor optical cable are made of multimode optical fibers

4. Structure

Electrical cable	AWG 28 . 5 pcs		
	Conductor	Material	Solid copper
		Outer diameter	0.320mm
		Cross sectional area	0.0804mm <sup>2</sup>
	Insulation	Resistance	227Ω/km
		Material	PVC
Color		Blue, orange, green, brown, gray	
Average thickness		0.14mm	
Shielded cable	Diameter	0.62±0.05mm	
	conductor	Conductor	Solid copper AWG30
	Insulation	Material	HDPE
	Diameter	Red, yellow 0.63mm. drain wire 0.51mm	
	O.D.	1.35-1.40mm	
Optical fiber	4 core		
	Optical fiber	Category	50/125
		Color	Blue, orange, green, brown
	Inner sheath	Material	PVC LSZH white
		Smallest thickness	0.1mm
		O.D.	1.0-1.1mm
Direction		S	
Stranded cables	Stranded cables	Core arrangement	See the sectional drawing
		Stranded O.D.	3.0±0.2mm
	Non-metallic strength member	Material	Aramid yarn
Jacket	Jacket	Material	Black TPU(Thermoplastic Urethane)
		Thickness	0.7mm
		O.D.	4.6-4.8mm
	Mark	No	

5. Mechanical and environmental performance

	Unit	Parameter
Stretch ( short-term )	N	300
Stretch ( long-term )	N	150
press ( short-term )	N/100mm	600
Press ( long-term )	N/100mm	300
Minimum bending radius ( dynamic )	mm	20D
Minimum bending radius ( static )	mm	10D
Installing temperature	℃	-10 → 50
Working temperature	℃	-20 → 60
Storage temperature	℃	-20 → 60
Flame resistance	Vertical single cable	Pass GB/T 18380.1 test
Environmental friendly		RoHS compliant

Testing information

Source Device		SL-881		
Sink Device		PC		
Cable Eye Test	4K*2K 60HZ 4:4:4 HDCP 2.2	Testing Photos		
Source Device		SL-881		
Sink Device		Panasonic:TH-49DX500C	SONY : KD-49X7500E	Panasonic:TH-55DX500C
a) Confirm no abnormal phenomenon b) Play time more than 10 minutes .	4K*2K 60HZ 4:4:4 HDCP 2.2	Testing Photos	Result	Pass
Source Device		PHILIPS BDP7501		
Sink Device		Panasonic:TH-49DX500C	SONY : KD-49X7500E	Panasonic:TH-55DX500C
a) Confirm no abnormal phenomenon b) Play time more than 10 minutes .	4K*2K 60HZ HDCP 2.2	Testing Photos	Result	Pass
Source Device		SONY PS4 CUH-7009B		
Sink Device		Panasonic:TH-49DX500C	SONY : KD-49X7500E	Panasonic:TH-55DX500C
a) Confirm no abnormal phenomenon b) Play time more than 10 minutes .	4K*2K 60HZ HDCP 2.2	Testing Photos	Result	Pass
Source Device		SAMSUNG - UBD - XB500		
Sink Device		Panasonic:TH-49DX500C	SONY : KD-49X7500E	Panasonic:TH-55DX500C
a) Confirm no abnormal phenomenon b) Play time more than 10 minutes .	4K*2K 60HZ HDCP 2.2	Testing Photos	Result	Pass