

## HDMI 2.0 Active Optical Cable

### General information

Hybrid optical fiber and copper HDMI 2.0 Interconnect, for superior digital sound and image experience at resolutions up to 4096\*2160 at 60HZ

### Specifications

24K Gold Plated Connectors HDMI Cable

HDMI AOC Cable (Hybrid of Copper and Fiber) 2.0 Cable

Outside material:	PVC
Packaging:	Gift Box
Available Lengths:	10,15,20,30,50,100 Mtr
Colour:	Black
Conductor material:	Optical Fibre
Diameter:	4.8 mm
Max. resolution:	4K@60HZ2@4:4:4
Compliant with	ARC/HDCP2.2/HDR/EDID

Aluminium Die Cast Connectors

Durable HD optical solid fiber conductor

Video Bandwidth : 6 Gbps/x3Channel (max)+ Clock.



### Sales information

Order code:	PGC345601B05 - 5 Mtr
	PGC345601B10 - 10 Mtr
	PGC345601B15 - 15 Mtr
	PGC345601B20 - 20 Mtr
	PGC345601B30 - 30 Mtr

Product description:	HDMI 2.0 Active Optical
Packaging:	Box
Brand name:	Profigold



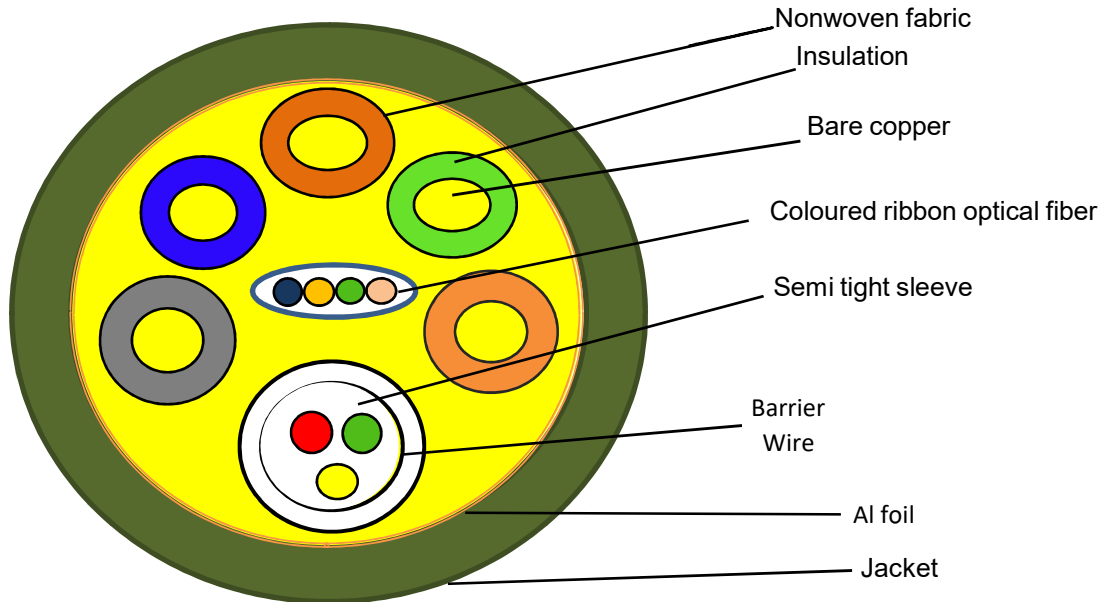
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**1. Product description:**

The core of optic Composite Cable is made of four-core multimode fiber core, 5 electronic wires and a pair of shielding wires, non-woven fabric reinforced, black elastomer sheath.

**2. Product cross section**



**3. Optical fiber parameter table**

Feature project	Specifications	
Type	50/125	
Geometric Characteristics	Core diameter,	$\mu\text{m}$ 50 $\pm$ 2.5
	Cladding diameter,	$\mu\text{m}$ 125 $\pm$ 1.0
	Core deflection,	% $\leq$ 6.0
	Core deviation of cladding	% $\leq$ 2.0
	Core and clad concentricity error,	$\mu\text{m}$ $\leq$ 1.5
	Coating diamete,	$\mu\text{m}$ 245 $\pm$ 10
	The coating core deviation	% $\leq$ 6.0
	Concentricity error between cladding	$\leq$ 12
Numerical aperture (NA)	0.200 $\pm$ 0.015	
Bandwidth MHz.km (10Gbps)	850nm	$\geq$ 1500
Attenuation dB/km 10Gbps)	850nm	$\leq$ 3.2
Transfer rate	VESEL: supports the application of 12.5Gbps single channel	
	HDMI AOC is applied to 6 Gbps single channel *3=18 Gbps	



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#### 4. Product structure parameter list

Item		Structural parameters	
Electronic wire 5C	Copper wire 30AWG OR 28AWG+PE		
Shielding wire 2C+ GND	Copper wire 30AWG+FOAM-PE		
Optical unit	Optical unit: 4 core banded multimode fiber		
	Fibre-optical	Fiber type	50/125
		Color identification	blue,orange,green,brown
	Semi tight layer	Material	LSZH, White
		Thickness Min	0.1mm
Outer diameter		1.0-1.1mm	
Cabling	Wire core stranding	Stranding direction	S direction
		Core arrangement	According to product structure diagram
		Twisted outer diamete	3.0±0.2mm
	Non-metallic strengthening	Material	Nonwoven yarn
Jacket	Extruding outer Jacket	Material	Black, Environmental friendly elastomers
		Nominal thickness	0.7mm
		Outer diameter	4.5-4.8mm
	Cable marking	HDMI (AOC) Active Optical Cable	

#### 5. List of mechanical and environmental properties of products

Item	Unit	Parameter value
Stretch (short term)	N	300
Stretch (long term)	N	150
Squash (short term)	N/100mm	600
Squash (long term)	N/100mm	300
Minimum bending radius	mm	20D
Minimum bending radius	mm	10D
Mounting temperature	°C	-10 ~+ 50
Operation temperature	°C	-20 ~+ 60
Storage temperature	°C	-20 ~+ 60
Fire resistance	Single vertical	Through GB/T 18380.1 test.
Environmental protection		Comply with RoHS directive



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