

# FDPC-14

DisplayPort 1.4  
Active Optical Cable

## Highlights:

- Compliant with DisplayPort 1.4 (source) input and DisplayPort 1.4 (Display) output.
- Support 8K@60Hz, HBR3, HDCP 1.4/2.2, HDR
- 8.1 Gbps per channel, ultra-high-bandwidth data transfer up to 32.4 Gbps
- Supports 8K (7680×4320)@60Hz resolution, 5K (5120×2880)@60Hz, 4K@120Hz, and all previous DisplayPort versions
- Signal transmission up to 100m
- Supports 48bit deep color depth
- Fully supports DisplayPort 1.4 spec, including DPCP, HDCP 2.2/EDID/CEC/DDC
- Energy saving, low power consumption (max. 250mW), no extra power supply required
- Plug-and-play – no software or setting required
- RF/EMI free for clear signal transmission
- Customized length, logo, packaging available



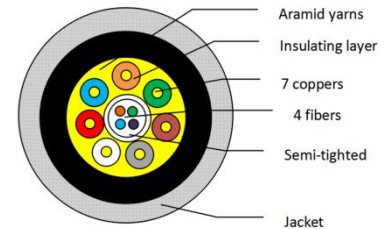
## Product information:

The FDPC-14 is an DisplayPort 1.4 active optical cable to flawlessly transmit uncompressed, full Ultra HD 8K@30Hz uncompressed, 8K@60Hz DSC or 4K@120Hz video with zerolateny up to 100m(330ft) .

Based on Fiberlink' unique AOC+™ Technology, it deliver an aggregate data rate of 32.4Gbps, low power consumption, and immunity from EMI/RFI – all in a simple, hot-swappable, easy-to-install, plug-andplay solution.

## Applications:

- Digital signage
- LED signs & monitors for stadiums,hospitals,shipping malls
- Medical imaging equipment
- Airport boarding video information system
- Home Theater, Blu-ray, 3D video, projector, set-top box, DVR, game console control and monitor connection
- Radio and TV station
- Video conference equipment
- Security monitoring system



## Certification:

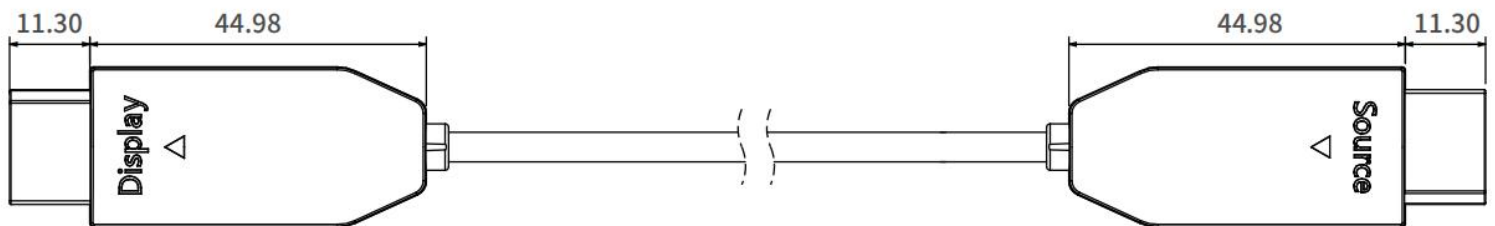


## Properties:



## Technical Specifications:

| Item                                | Description  |                         |
|-------------------------------------|--|-------------------------|
|                                     | Connector A  | Connector B             |
| Interfaces                          | Connector A  | Connector B             |
| Connectors                          | DisplayPort Type A Male  | DisplayPort Type A Male |
| Protocols Supported                 | DisplayPort 1.4, HBR3, HDCP 1.4, HDCP 2.2  |                         |
| Video Bandwidth                     | Maximum 8Gbps/*4 Channels  |                         |
| Bandwidth                           | Maximum 32Gbps   |                         |
| Video Resolution                    | 7680 x 4320p @ 60Hz, 5120 x 2880p @ 60Hz,<br>3840 x 2160p @ 144Hz, 2560 x 1440p @ 240Hz, 1920 x 1080p @ 240H |                         |
| Power Consumption                   | 250mW(Max.)  |                         |
| Power Supply                        | Passive, 4.5V ~ 5.5V VCC (from connected source)   |                         |
| Max. Color Depth                    | 30/36/48 bit deep color  |                         |
| Cable                               |  |                         |
| Type                                | Hybrid Fiber Optic, 50/125 OM3 / Fiber (4x)+ Copper wires (8x)   |                         |
| Outer Jacket                        | Black, LSHF/TPU, 4.6mm (∅)   |                         |
| Optional Length<br>(Tolerance±30cm) | 10m/15m/20m/30m/40m/50m/60m/70m/80m/90m/100m<br>Can be customize;  |                         |
| Bending Radius                      | 48mm(Min.)   |                         |
| Tensile Strength                    | 25KGs  |                         |
| Working Temperature                 | 0°C to 50°C (32°F to 122°F)  |                         |
| Storage Temperature                 | -20°C to 70°C (-4°F to 158°F).   |                         |
| Relative Humidity                   | 5% to 90% (non-condensing)   |                         |



Ordering & Packing:

| Product Code | Length   |      | Gift Box (mm) | Master Carton (mm) | QTY/CTN (PCs) | N.W. (KG)/CTN | G.W. (KG)/CTN |
|--------------|----------|------|---------------|--------------------|---------------|---------------|---------------|
|              | (Meters) | Feet |               |                    |               |               |               |
| FDPC-14-010  | 10       | 33   | 240*225*75    | 470*385*255        | 10            | 7.0           | 8.0           |
| FDPC-14-015  | 15       | 50   | 240*225*75    | 470*385*255        | 10            | 8.5           | 9.5           |
| FDPC-14-020  | 20       | 67   | 240*225*75    | 470*385*255        | 10            | 9.5           | 10.5          |
| FDPC-14-030  | 30       | 100  | 240*225*75    | 470*385*255        | 10            | 12            | 13            |
| FDPC-14-040  | 40       | 130  | 240*225*75    | 470*385*255        | 10            | 14.5          | 15.5          |
| FDPC-14-050  | 50       | 165  | 290*275*75    | 565*385*300        | 10            | 20.5          | 21.5          |
| FDPC-14-060  | 60       | 197  | 290*275*75    | 565*385*300        | 10            | 22.5          | 23.5          |
| FDPC-14-070  | 70       | 230  | 290*275*75    | 390*350*343        | 5             | 13            | 14            |
| FDPC-14-080  | 80       | 263  | 340*325*75    | 390*350*343        | 5             | 15            | 16            |
| FDPC-14-090  | 90       | 295  | 340*325*75    | 390*350*343        | 5             | 16            | 17            |
| FDPC-14-100  | 100      | 320  | 340*325*75    | 390*350*343        | 5             | 17.5          | 18.5          |

- Length can be customized, up to 300 meters.

Packing Reference:



5PCs/Carton for 80~100M length



10PCs/Carton for 10~70 M length



Gift Box

Master Carton