

**Pure Fiber DisplayPort 1.4 Active Optical Cable.**



This AOC-PF-DP14 is a pure fiber DisplayPort 1.4 active optical cable (AOC) with high performance, low power consumption. Using optical fiber to replace copper wire as the high-speed signal transmission medium, the AOC-PF-DP14 can perfectly transmit 8K UHD image up to more than 100 meters.

Compared with the traditional copper wire, this AOC-PF-DP14 AOC is much longer, softer, lighter, with better signal quality and perfect EMI/EMC feature. Compared with other DisplayPort optical fiber transmission solution, the AOC-PF-DP14 AOC is easy to use and has perfect compatibility.

**Features**

- Support 8K@60Hz, Supports HBR3, HDCP 1.4 / 2.2; very good compatibility
- Support DP1.4 standard, bandwidth can reach 8.1 Gbps per channel, 32Gbps total
- Support length up to 100m max, length custom is available
- Pure Fiber, much more slim and light
- OD 3.0 mm, very flexible
- No RFI / EMI profile for sensitive applications
- Request two side devices self-powered



## Specifications

- Connector Type: DP Type A
- Transmission Bandwidth: 32.4Gbps
- Resolution: 720P, 1080i, 1080P 3D,4K @120Hz, 8K @60Hz 4:4:4
- Wire Specifications: 6 Optical fibers:50/125 um OM3
- LD/PIN: 850nm VCSEL/PIN
- Power: DP1.4 +3.3V provide by device
- Power Consumption: =1W
- Transmission Length: Over 100m
- Flame Retardance (A single vertical): Meet UL13 standards
- Environmental Protection Requirements: Comply with RoHS directive
- Stretch (Short-term) (N): 400
- Stretch (Long-term) (N): 200
- Squash (Short-term) (N/100mm): 600
- Squash (Long-term) (N/100mm): 300
- Minimum Bending Radius (dynamic) (mm): 20D
- Minimum Bending Radius (static) (mm): 10D
- Storage Temperature: -20 ~ 70°C
- Operating Temperature: 0 ~ 70 °C

## Applications

- Home Theater
- High definition Video Meeting System
- Medical Video System
- High definition Video Surveillance System
- Digital Signage and TV Wall

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