



EverPro Technologies Company Ltd.

长芯盛 (武汉) 科技有限公司



DisplayPort 1.4 Pure Active Optical Cable EPDPC04

Rev. 1.0



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1 Description

EverPro's EPDPC04 product is DisplayPort 1.4 Pure active optical cable (AOC) with high bandwidth and low power consumption. Using optical fiber to replace copper wire as the high-speed signal transmission medium, EPDPC04 can perfectly transmit 8k@60hz UHD image up to 200 meters. Compared with the traditional copper wire, EPDPC04 AOC is much longer, softer, more slim, with better signal quality and perfect EMI/EMC feature. Compared with other DP optical fiber transmission solution, EPDPC04 AOC is easy to use, has perfect compatibility, and no external power supply needed.

2 Feature

- 1) Long distance transmission, up to 200 meters
- 2) DisplayPort 1.4 standard, support up to 8K@60hz display
- 3) lock on connector
- 4) Plug and play without driver dependent
- 5) Thinner, lighter and softer than conventional copper cable
- 6) Highly resistant with EMI and RFI
- 7) No external power needed



3 Specification

Cable Length

Up to 200m

Catalog

10m/20m/30m/40m/50m/100m/150m/200m

Interface

DP type A plug - DP type A plug, with lock on connector

Bandwidth

DisplayPort 1.4, 8.1Gbps x 4, support 8k@60hz display

Power

No external power needed

Power Consumption

390mW@3.3V

Mechanical / Condition

Connector Size

46.74mm * 22.15mm * 11mm

Cable Diameter

4.0mm

Cable Material

Compliant with LSZH

Bend Radius (Dynamic/Static)

80mm/40mm

Tensile Strength (Long term/Short term)

100N/200N

Crush Resistance (Long term/Short term)

200N/400N

Operating / Storage Temp

0 ~ 50°C/-20 ~ 70°C



4 Part Number

Part Number	Description
EPDPC04-A0A0KxxxPG	DP 1.4 Hybrid AOC , Type A male to Type A male , Plastic housing, Black Color Cable, xxx=xxx meter, for example 100=100 meter

- ① All of standard cables have no logo. MOQ and extra cost will be required if adding customized logo.

5 Application

- 1) Home Theater
- 2) High definition Video Meeting System
- 3) Medical Video System
- 4) High definition Video Surveillance System
- 5) Digital Signage and TV Wall