

DATA SHEET



DisplayPort Active Optical Cable (AOC) - Plenum CMP-Rated

Extend DisplayPort signals over optical cable and support the latest DisplayPort features including 4K60, 3D Video, Deep Color, and X.V. Color

OVERVIEW

The DisplayPort AOC is the perfect solution for extending DisplayPort signals in classrooms, conference rooms, healthcare facilities, digital signage and other commercial environments.

Utilizing AOC technology that performs similar to traditional copper cabling, the optical fiber construction between the connectors provides optimum performance and easy installation. The AOC technology delivers several advantages which make it a smart choice in select installations. The cable diameter is smaller than copper and more flexible, making it easier to install in tight spaces. Constructed from fiber strands, this cable reduces the risk of EMI/RFI so performance is stable when used in typically high interference environments such as data centers, surgical theaters, or manufacturing facilities where high resolution and consistent display are critical.

The AOC draws power from the DisplayPort source device, so no external power source is required. In addition to low power consumption, these cables are also plug and play and hot swappable. Additionally, the DisplayPort Active Optical Cable supports the latest 4K60 content delivery over longer distances.

FEATURES

- Supports up to a 4K resolution, 3D Video, Deep Color and X.V. Color
- No external power required
- Plenum rated jacket
- CEC, EDID, and HDCP compatible

ITEM DESCRIPTION

82396	8m DisplayPort Active Optical Cable (AOC) - Plenum CMP-Rated
82397	15m DisplayPort Active Optical Cable (AOC) - Plenum CMP-Rated
82398	23m DisplayPort Active Optical Cable (AOC) - Plenum CMP-Rated
82399	30m DisplayPort Active Optical Cable (AOC) - Plenum CMP-Rated

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SPECIFICATIONS:

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ELECTRICAL SPECIFICATIONS:

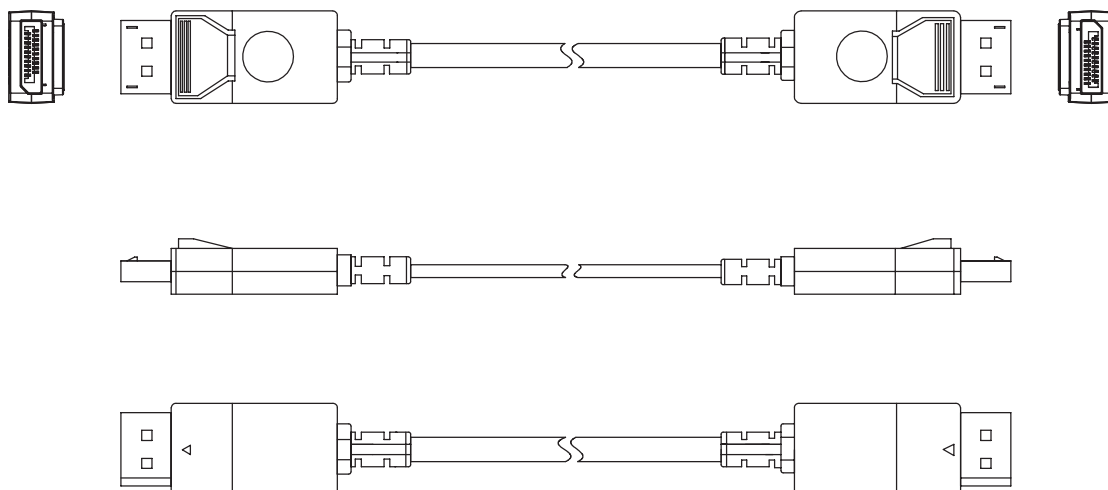
- Impedance: Max. 0.5 ohms/m
- Capacitance: Max. 100 pF/m
- Attenuation: Max. 180 dB/km

PHYSICAL SPECIFICATIONS:

- Operating Temperature: 0°C to 50°C, less than 60% RH (non-condensing)
- Storage Temperature: 0°C to 60°C, less than 60% RH (non-condensing)
- Jacket: PVC Plenum, CMP Rated (30 AWG)
- Power Consumption: 500 mW maximum
- Connector: 20-Pin Male DisplayPort
- Maximum Tensile Load: 45 kg (100 lbs)
- Minimum Bend Radius: 5 mm
- Cable Type: Hybrid with copper wires and optical fibers
- DisplayPort Compliance: 1.2
- HDCP Compliance: 1.3
- Cable Dimensions: 5.1 mm x 3.1 mm
- Conformity: 2011/65/EU ROHS directives, UL CMP-OF, and CMP-OF-FT6

VIDEO SPECIFICATIONS:

- Supported Resolution: 4K/60Hz/4:4:4
- Data Rate: 4 channels x 5.4 Gbps - up to 21.6 Gbps
- HDMI Features Supported: 3D video, Deep Color, X.V. Color, HDCP, CEC, EDID
- EDID: Plug and play



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