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CLS-AOCDP/UF

Active Optical DisplayPort Cable



CLS-AOCDP/UF is a DisplayPort™ 1.4, 8K active optical cable (AOC) that features high resolution and data transfer rate. CLS-AOCDP/UF is thin and flexible and requires no external power. User experience is maximized with integrator-oriented features and the latest advances in DisplayPort 1.4 technology

FEATURES

Latest DisplayPort Technology - Supports 3D, HDCP, EDID, HBR3, DSC, and 8K@60Hz resolution

Streamlines Installations - Supports up to 8K@60Hz over long cable runs of up to 100 meters without the need for an external power supply or additional extenders

High Data Transfer Rate - Up to 32.4Gbps data rate with 8.1Gbps/lane (HBR3) link rate

Supports up to 8 channels of 16 or 24bits linear PCM & 32 to 192KHz sampling rate

No External Power Needed - Powers the active units via the DisplayPort connector

Thin Construction - 4.8mm diameter

Safe Construction - Low smoke & halogen free

Compliance - RoHS 2011/65/EU compliant, CE/FCC



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TECHNICAL SPECIFICATIONS

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|--|---|
| Video | Max. Resolution: 8K@60Hz (7680 × 4320) Max. Data Rate: 32.4 Gbps (HBR3) Max Color Depth: 48bit DisplayPort Support: HDCP 2.2, EDID and DPCP |
| Audio | Channels: Up to 8 of 16 or 24bits linear PCM Sampling Rate: 32 to 192KHz |
| CONSTRUCTION | Connectors: Male DisplayPort gold plated Cable Structure: Hybrid Optical Fiber Cable Fiber Optic: 4X850nm Multi-mode fiber Fiber Cable Type: Hybrid cable – 4 x fiber and 8 x copper wires Conductors: 2px26AWG + 4cx28AWG + 2cx24AWG |
| JACKET | Outer Sheath Material: LSHF Outer Sheath Color: PVC Black Outer Sheath Diameter: 4.8mm |
| PHYSICAL | Minimum Cable Bending Radius: 48mm Connector Max. Pulling Strength: 25.173Kg Max. Compression Load Resistance: 300N |
| Environmental Conditions | Operating Temperature: 0 to +50°C Storage Temperature: -20 to +85°C Operating Humidity: 5 to 85% |
| Power | Consumption <0.5W for each end |
| Regulatory Compliance (Standards Compliance) | LSHF EN 60332-1-2, EN 50399 RoHS: 2011/65/ EU Certified: CE/FCC |



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CONFIGURATIONS

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| CLS-AOCDP/UF-33 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-50 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-66 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-98 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-131 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-164 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-197 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-230 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-262 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-295 | Active Optical DisplayPort Cable |
| CLS-AOCDP/UF-328 | Active Optical DisplayPort Cable |