2023 BEST OF SHOW InfoComm SOUND&VIDEO CONTRACTOR WINNER

DVIGEAR

HyperLight DVI-28xxx-AOC DisplayPort / mDP 1.4 Active Optical Cables

DVIGear' s HyperLight DVI-28xxx-AOC DisplayPort / mDP 1.4 Active Optical Cables employ cutting edge technology to deliver unprecedented resolution, performance and value. The DVI-28xxx-AOC series supports DisplayPort 1.4 and provides superior features in a compact, lightweight form factor. The cables are fully HDCP 1.4 / 2.2 compliant and distribute signals with aggregate data rates up to 32.4 Gbps. (HBR3). These features enable the cables to support very high resolution applications at 4K / 60Hz (4:4:4) and 8K / 30Hz (4:4:4) with cable lengths up to 100 meters.

The DVI-28xxx-AOC series supports both DisplayPort and Mini DisplayPort connections. The cables are terminated with low profile Mini DisplayPort (mDP) connectors that measure less than 8x11 mm. This narrow cross section makes it very easy to pull the cables through conduit or other tight spaces. The cables also include two detachable docking connectors that allow them to plug into full size DisplayPort receptacles. The docking connectors include a locking pin for added security. This functionality enables seamless connections to content servers and for use in other high density applications without any intermediary dongles or adapters.

HyperLight cables are plenum rated (UL CMP OF), compact, lightweight, and highly flexible. Constructed using a hybrid design of 4x GOF (Glass Optical Fiber) and 6x copper wires, they are rugged, yet flexible, with a minimum bend radius of 35 millimeters. This flexibility, along with the small X-Y profile of the docking connectors, enhances ease of installation and makes them an ideal solution for cable routing in tight spaces.

These cables are designed for use in mission-critical applications where image quality and dependability are paramount. HyperLight cables are engineered from the ground up for superior performance and unfailing reliability. Their reliability boasts an MTBF of greater than 150,000 hours (more than 17 years) and an in-field failure rate of less than 0.1 percent. High-speed DisplayPort signals are transmitted over four optical fibers, which make them immune to interference from environmental noise. The optical transmission path provides a very low RFI / EMI profile, which allows the cables to be installed in sensitive applications with strict security requirements. Drawing power from the connected DisplayPort source, HyperLight cables eliminate the need for an external power supply.

Integrators, installers, and system planners will find HyperLight features optimally suited for:

- Retail Spaces
- Defense and Aerospace
- Medical facilities
- Education and Corporate training facilities
- Houses of Worship
- Digital Signage

HyperLight DVI-28xxx-AOC Cables are ideally suited for applications that require ultra high resolution DisplayPort signals to be extended over long cable runs with flawless image quality.

FOR MORE INFO.