

# 32Gbps 8K 60Hz DisplayPort 1.4 Active Optical Cable with DP++ Support (10m/32ft)

**CAB-DAOC-10-C | CAB-DAOC-10-P**



## Quickstart Guide

**!** WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



### **!** IMPORTANT! Installation Requirements

Cable is uni-directional. Follow the connector labeling and color coding to ensure proper operation of the cable.

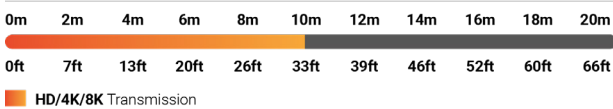
### In The Box

- 1x CAB-DAOC-10-C or CAB-DAOC-10-P Active Optical DisplayPort Cable
- 2x Reusable Cable Ties
- 1x Quickstart Guide (This Document)

### Cable Distances

CAB-DAOC-10-C | CAB-DAOC-10-P

Optical HDMI Cable Performance Guide

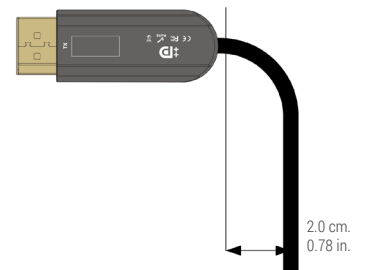


### Wiring and Connections

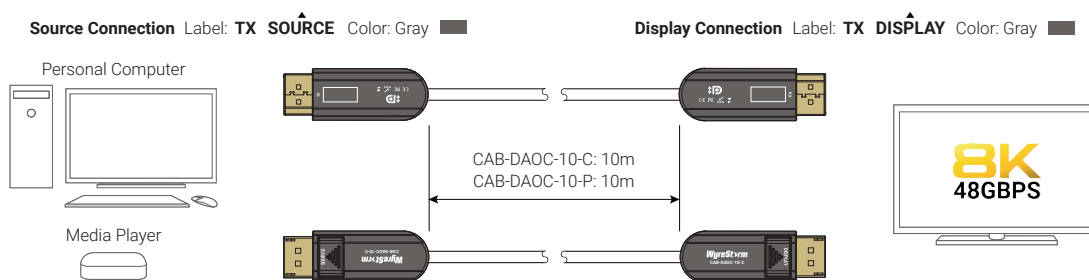
#### **!** IMPORTANT! Installation Requirements

The WyreStorm Active Optical cable is designed to transmit DisplayPort signals from the source to a display.

- Follow the labeling and the diagrams for connection to ensure proper operation.
- Due to the core of the DAOC being fiber optic the cable cannot have a bend radius greater than 2cm/0.78in. Keep this in mind when routing cables around objects and inside of walls.
- The cables have a max pull tension of 15kg/33lbs. Keep this in mind when routing the cable within cabinets or walls to avoid damaging the cable.



### Basic Wiring Diagram



### Warranty Information

WyreStorm Technologies LLC warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the [Product Warranty](#) page on [wyrestorm.com](#) for more details on our limited product warranty.



## Specifications

Transmission		
Transmission Encoding	Uncompressed AOC	
End to End Latency	10µs	
Maximum Transmission Bit Rate	32.4Gbps (4-core, 8.1Gbps per lane)	
Video		
DisplayPort	(v1.4) LVDS   8b/10b encoding DSC v1.2 (Display Stream Compression) Supported	
Input	1x DisplayPort: 20-pin Male	
Output	1x DisplayPort: 20-pin Male	
Maximum Data Rate	25.92Gbps	
Supported Video Resolutions*	CAB-DAOC-10-C	CAB-DAOC-10-P
	1920 x 1080p @240Hz	
	2560 x 1440p @240Hz	
	3840 x 2160p @120Hz	10m/33ft
	5120 x 2880p @60Hz 7680 x 4320p @60Hz	15m/49ft
Supported Standards	DSC   Static HDR   HDR10	
Audio		
Audio Formats	24-bit PCM	
Maximum Sampling Rate	192KHz	
Maximum Audio Channels	32	
Communication and Control		
HDCP	Pass-through, 2.2 Supported	
EDID	Pass-through, RX>TX	
Consumer Electronics Control (CEC)	Bidirectional Supported	
Installation Restrictions		
Max Bend Radius	2cm/0.78in	
Max Pull Tension	15kg/33lbs	
Orientation	Uni-directional - Observe signal flow direction prior to installation	
Power		
Power Supply	Passive 3.3v~5.5v VCC (From Connected Source)	
Max Power Consumption	250mW	
Environmental		
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)   10% ~ 90%, non-condensing	
Storage Temperature	-4°F to ~ 140°F (-20°C ~ +60°C)   10% ~ 90%, non-condensing	
Maximum BTU	0.85 BTU/hr	
Jacket Material	CAB-DAOC-10-C: Non-PVC CAB-DAOC-10-P: PVC	
Dimensions and Weight (Connector Housing)		
Height	12mm/0.47in	
Width	21mm/0.82in	
Depth	45mm/1.77in	
Weight	NA	
Cable Length (Connector to Connector)	CAB-DAOC-10-C: 10m/33ft CAB-DAOC-10-P: 10m/33ft	
Regulatory		
Safety and Emission	CAB-DAOC-10-C: CE   FCC   CPR   RoHS   LSZH   EAC CAB-DAOC-10-P: CE   FCC   UL (Plenum)   RoHS   EAC	

\*denotes supported resolutions using DSC (Display Stream Compression) (requires source-sink compatibility)

**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.