

## UHDV – VEGA AOC Active Optical HDMI



### Description

The Tributaries VEGA cable model:UHDV is an active hybrid HDMI cable designed with Optical Fiber to carry the TMDS signals and copper for the DDC line. VEGA is guaranteed to pass 18Gbps data to lengths of 50 meters. Because of the external power supply the UHDV has out-performed all other AOC cables presented to DPL labs for certification. Vega has earned the DPL Labs 18Gbps Seal of Approval. This active cable is directional

### Features

- Designed, packaged and tested in Orlando Florida, USA
- Certified HDMI High Speed to support 18Gbps, 4K/60, Deep Color, HDR, 4:4:4 WCG and Extended Audio Channels
- Earned DPL Labs® 18Gig 4K Certification and Seal of Approval
- Available in lengths of 10 meter, 15 meter, 20 meter, 30 meter, 40 meter & 50 meter
- Display end is terminated with a Type D HDMI connector and a Type D > A adapter that can be removed for easy installation. Handy pulling tool is included in the box.
- VEGA Active HDMI is supplied with an USB power cable for the display end connector  
A USB Switching Power supply rated INPUT: 100-240VAC, 50/60Hz, 02A / OUTPUT: 5VDC, 1A
- Optical fiber is OM3 multimode silicon glass
- 4 TMDS Signals are modulated by a 4 channel 850nm VCSEL optical converters
- Copper carries the Display Data Channel (DDC) responsible for the 2-way communication of EDID and HDCP
- 100% tested in production and 100% tested in Orlando, FL before shipping using 4K/60, 4:4:4, 8 bit color, HDR application
- 3 Year Warranty

### Terminations

Tributaries UHDV AOC HDMI is terminated with HDMI type A connectors on the source end and HDMI type D with an HDMI D to A Adapter on the display end. The Display end is powered by USB 2.0. USB cables and power supply are included

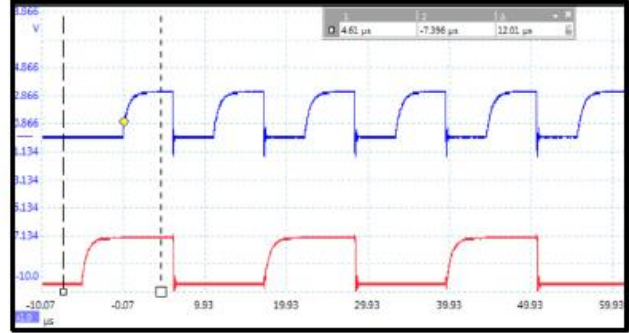
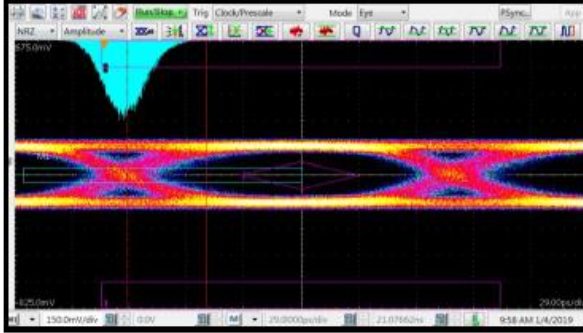
### Construction

Conductors	OM3 Fiber for TMDS lines & HC-OFC Copper
Shielding	125% Aluminum Mylar with 85% braided copper
Jacket Material	Black PVC – Polyvinyl Chloride
Outside Diameter	4.5 mm with bending radius of 20mm (3/4")
UL Listing	AWM Appliance wiring UL CMG
EU RoHS Compliant (Y/N)	YES

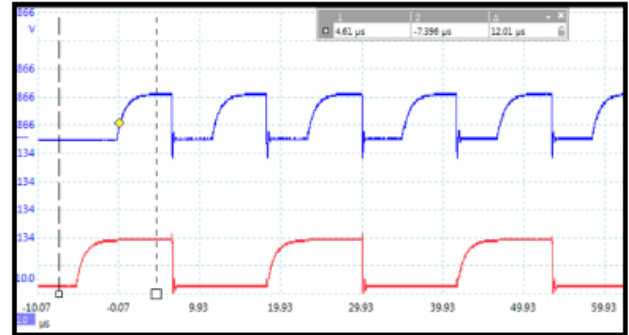
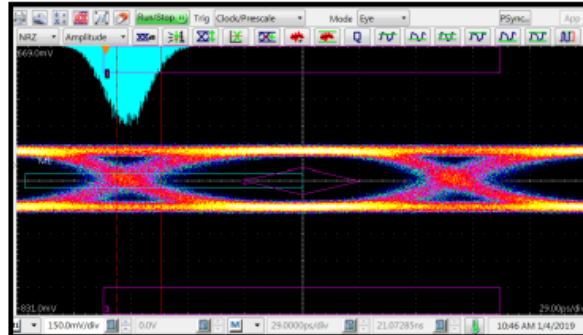
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### Testing Data

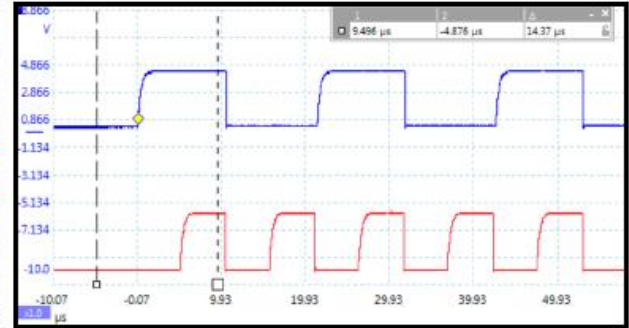
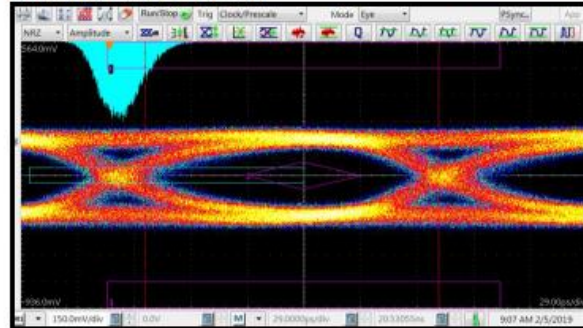
UHDV 10 meter EYE & I2C:



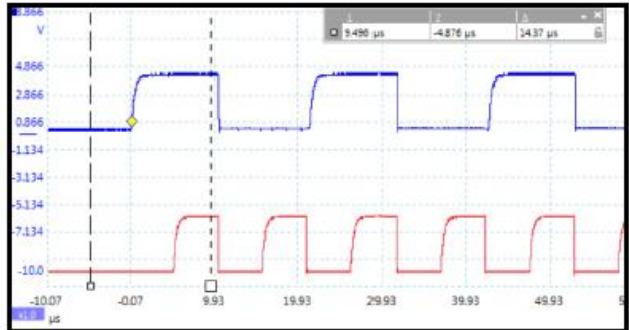
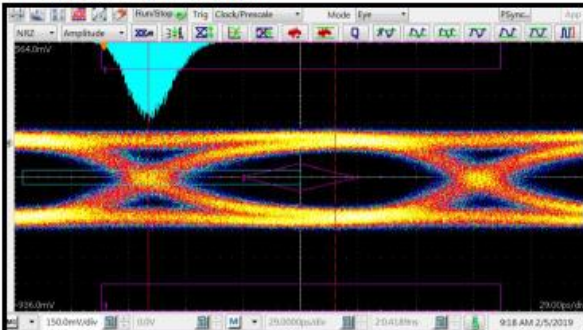
UHDV 15 meter EYE & I2C:



UHDV 20 meter EYE & I2C:

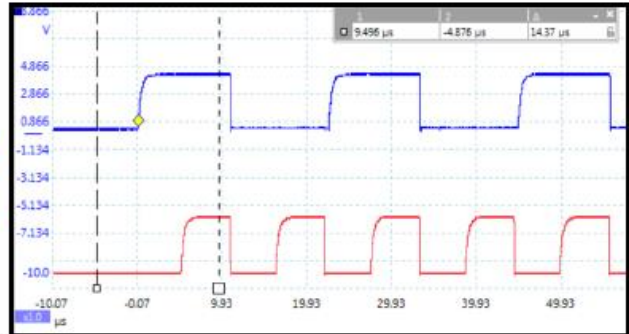
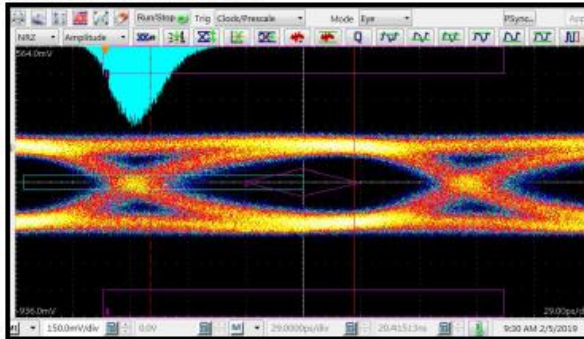


UHDV 30 meter EYE & I2C:

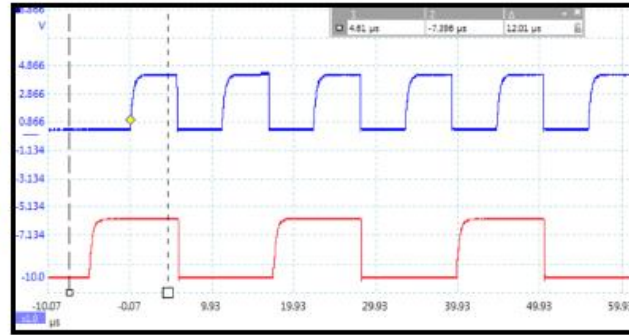
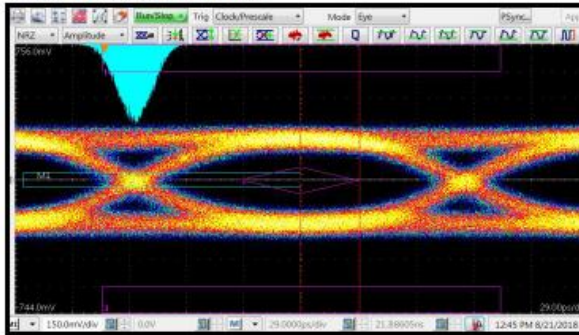


## UHDV – VEGA AOC Active Optical HDMI

UHDV 40 meter EYE & I2C:



UHDV 50 meter EYE & I2C:



### Application Specifications

Max Video Format Supported	18Gbps, 4K/60Hz, HDR, WCG, 4:4:4
HDMI Compliant	EDID, CEC, HDCP 2.2, HDR, ARC, Multi-Channel Audio, DTS-HD, Dolby True HD
Audio Formats Supported	32Ch, PCM 2.0, DTS 7.1, 3D Audio / System Dependand/

### Notes

While Tributaries has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Tributaries provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.

The cable will be packaged to preclude the inducement of damage due to handling and transportation, and will be in accordance with the best commercial practices available. Shipping containers will be constructed as to eliminate any possible damage to the cable due to shipment.

### Stock Models

Stock Code	Description	Color	Quantity
UHDV-100B	VEGA AOC Hybrid Optical HDMI Cable 10m box	Black	Each
UHDV-150B	VEGA AOC Hybrid Optical HDMI Cable 15m box	Black	Each
UHDV-200B	VEGA AOC Hybrid Optical HDMI Cable 20m box	Black	Each
UHDV-300B	VEGA AOC Hybrid Optical HDMI Cable 30m box	Black	Each
UHDV-400B	VEGA AOC Hybrid Optical HDMI Cable 40m box	Black	Each
UHDV-500B	VEGA AOC Hybrid Optical HDMI Cable 50m box	Black	Each