



AURORA. More data...farther

Tributaries is proud to announce **Aurora** – an active fiber optic HDMI cable certified by DPL Labs to transport HDMI signals at data rates up to 18Gbps over cable lengths from 10m (32.8ft) to 30m (98.4ft).

With the arrival of UHD Premium content, 4K/60, 10-bit color with HDR, the necessity of an HDMI cable that can carry data rates of 18Gbps has become critical. The new Samsung SUHD Bluray Player is available; UHD Bluray discs will be available from Amazon by March 1. Currently, Kaleidescape has available for download from their Store UHD movies with HDR/10-bit content. To successfully play this content requires cables capable of transporting data rates of 18Gbps. The days of good'nuf cables are coming to an end. Only cables that are designed, engineered and manufactured to the highest standards using the best components will work in this new world of UHD Premium content.

Engineered as a hybrid fiber optic cable, Aurora is a marvel of electro-optical engineering combining the best of both worlds, glass and copper. Glass transports the video/audio/clock and control signals while the copper carries the Digital Display Channel (DDC) responsible for the 2-way communication of EDID and HDCP. The components required for the electrical/optical/electrical conversions are efficiently contained in the connector headshells. Aurora is powered via USB cable.

The brain of the cable, originally designed for military applications, is an optical microchip encased in the HDMI source-connector. Imbedded in the microchip are 4 vertical-cavity surface-emitting lasers, **VCSELS**, semiconductor-based laser diodes that emit a highly efficient optical beam vertically from its top surface. Each TMDS modulated beam is reflected in a mirror aimed at one of 4 multimode glass fiber optic channels. The channels are surrounded by highly reflective OM3 (10G) cladding. The sink-end connector houses the photo diode receptors that decode the TMDS modulated light beams and convert them back to an electrical HDMI signal.

Aurora cables are available now in limited quantities at lengths of 10m, 15m, 20m, 25m and 30m. All are certified by DPL Labs to 18Gbps.

MODEL	LENGTH (FT)	COST	SRP
UHDO-100	33	\$653	\$1,350
UHDO-150	49	\$726	\$1,500
UHDO-200	66	\$799	\$1,650
UHDO-250	82	\$871	\$1,800
UHDO-300	98	\$943	\$1,950

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