AudioQuest Pearl HDMI 2.0

Pearl HDMI embodies all of AudioQuest's core philosophies on cable design. It employs solid Long-Grain Copper conductors, Solid High-Density Polyethylene Insulation, and precise geometry. Specific attention has been paid to maximizing the performance of HDMI, and indeed, AudioQuest's HDMI cables push sonic performance to new levels.

SOLID LONG-GRAIN COPPER (LGC) CONDUCTORS:

Solid conductors eliminate strand-interaction distortion. Pearl's solid Long-Grain Copper allows a smoother and clearer sound than cables using regular OFHC (Oxygen-Free High-Conductivity) copper. OFHC is a general metal industry specification regarding "loss" without any concern for distortion. LGC has fewer oxides within the conducting material, less impurities, less grain boundaries, and definitively better performance.

FOAMED-POLYETHYLENE INSULATION:

Any solid material adjacent to a conductor is actually part of an imperfect circuit. Wire insulation and circuit board materials all absorb energy (loss). Some of this energy is stored and then released as distortion. Pearl HDMI uses air-filled Foamed-Polyethylene Insulation because air absorbs next to no energy and Polyethylene is low-loss and has a benign distortion profile. Thanks to all the air in Foamed-PE, it causes much less of the out-of-focus effect common to other materials.

HIGH SPEED DATA CAPACITY*:*

All AudioQuest HDMI cables up to 10 meters meet or exceed the 18 Gbps maximum data rate for HDMI and are approved High Speed with Ethernet cables. This means that all AudioQuest cables up to 10 meters are capable of transmitting 100% of the data required for all of HDMI's current audio/video features including multichannel high-resolution audio, 1080p and 4k video, and 3D video from Blu-ray. All AQ HDMI cables will deliver 100% of the data required for 120Hz/240Hz/600Hz displays.

ETHERNET AND AUDIO RETURN CHANNEL ENABLED:

All AudioQuest HDMI cables up to 10 meters are rated High Speed with Ethernet. From 12 meters to 20 meters AudioQuest HDMI cables are Standard Speed with Ethernet.

DIRECTIONALITY:

All audio cables are directional. The correct direction is determined by listening to every batch of metal conductors used in every AudioQuest audio cable. All signal conductors controlled for digital-audio direction in AudioQuest HDMI cables, and care is even taken to run the conductors used in the Audio Return Channel in the opposite direction to ensure the best performance for that application. Arrows are clearly marked on the connectors to ensure superior sound quality.