

HDMI Optical Cable Installation



When installing HDMI AOC cables, care must be taken to not exceed 22 lb (10Kg) of pulling force on the cable end to prevent damage.



HDMI AOC Cables are **Directional**. One end of the cable is labeled “SOURCE” and the other “DISPLAY”. Ensure that the cable is oriented correctly prior to installation.



This AOC cable kit contains the following items:

- 1 HDMI wall plate
- 1 HDMI EDID adapter
- 1 AOC cable – 6414-00137 or 6414-00138
- 2 Micro USB to USB cables – Not used
- 1 DISPLAY adapter – Gray
- 1 SOURCE adapter – Black
- 2 Mounting screws – M1.6

AOC Cable Prep Requirements

It is critical that the AOC cable **NOT** be directly attached to the pilot (such as fish tape). A rigid connection can damage the AOC as it is pulled through bends. At a minimum, a flexible leader must be used between the AOC installation tool eyelet and the fish tape (or other pilot device). To increase permissible pulling force, the cable leader must be prepped as indicated below:

1. Slide the installation tool’s dust cover over the SOURCE connector.
2. Feed a leader string through the installation tool’s eyelet. Ensure the leader is rated for at least 10Kg.
3. Attach the leader to the fish tape (or whatever pilot is to be used for installation) leaving a 12” service loop.
4. Wrap electrical tape around the leader, as shown.



Conduit Requirements

- AOC cables must be routed through a minimum $\frac{3}{4}$ " conduit. 1" conduit or larger is preferred.
- AOC cables must be the first cables run through the conduit.
- When installing AOC cables through conduit, the conduit must be designed ANSI standard bend radius:
4.5" bend radius for $\frac{3}{4}$ " conduit
5.75" bend radius for 1" conduit

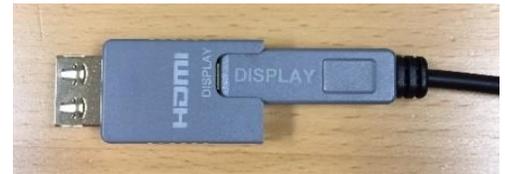
Bend Radius Considerations

- Do not exceed the cable bend radius limit. Fiber optic cable can be broken when kinked or bent too tightly, especially during pulling.
- The cable must not be forced over a bend radius smaller than 3" (6" diameter).
- After completion of the pull, the cable should not have any bend radius smaller than 1-1/4".

AOC Cable Adapter Installation

After the cable is in place:

1. Remove the dust covers from both cable ends.
2. Place the gray plastic DISPLAY adapter on the cable's DISPLAY end, attach with M1.6 screw.
3. Place the black plastic SOURCE adapter on the cable's SOURCE end, attach with M1.6 screw.
4. Place the HDMI EDID adapter on the SOURCE adapter.
5. Insert the HDMI EDID adapter into the HDMI wall plate pigtail, as shown.
6. The two Micro USB to USB cables are not used. Retain for alternate uses.



Screw

