Overview

Flat cables benefits include weight reduction, space efficiency, flexibility and strength. AMX flat cables feature MyTurn Ready Over-mold connector ends. With the addition of a MyTurn™ Source Selection Button (FG554-21) that clips into the specially designed groove built into the connector housing, participants can switch their content to the display at the press of a button without moving from their seat.

The MyTurn Source Selection Button communicates with a MyTurn Source Selector Receiver (FG554-23) which connects to a Solecis digital switcher, AMX master controller (with I/O), or DVX all-in-one presentation switcher. Any MyTurn-Ready cable may be equipped with the MyTurn solution.

HDMI 4K60 MyTurn-Ready Flat Cable

The HDMI *directional* cables (**CBL-HDMI-FL2-xx)** are available in 16 and 32 ft lengths. The end labeled **Display** connects to the display device (example: HDTV monitor) and has a built-in lock-down screw. The source end of the cable is not labeled *(FIG. 1)*: .
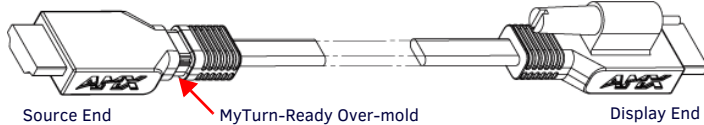

Source End MyTurn-Ready Over-mold Display End

FIG. 1 HDMI DIRECTIONAL FLAT CABLE

CBL-HDMI-FL2-16/32 CABLE SPECIFICATIONS	
FG#:	• FG10-2192-16 - 16ft (5m) • FG10-2192-32 - 32ft (10M)
Cable Length	• 16.4 ft or 32 ft (5m or 9.75m)
Connectors:	• SOURCE: HDMI (male) - connects to the source device. • DISPLAY: HDMI (male) - connects to the display device. • Molded Strain Relief • MyTurn ready Over-Mold
Data Rate:	• 18 Gbps
Signal Support:	• 4K@60Hz
Color:	• 48 Bits (16 bits per color)
Supported Features:	• Deep Color, 3D, HEC, ARC
Plating:	• 24K Gold

HDMI Directional Cable Notes

- Avoid using an extension cable on either end of the HDMI cables without using AMX Powered HDMI 2.0 Cable Extender (FG558-21).
- Connecting the cable backwards, with the connector labeled "DISPLAY" into the video source, will not damage the equipment. However when incorrectly installed, the cable will not transmit a signal.

Cat6 Ethernet Flat Cable

The MyTurn-Ready Cat6 Ethernet cable (**CBL-ETH-FL2-16**) with integrated strain relief (not MyTurn Ready) is 16 ft with a flat cable design. Cat6 features more stringent specifications for crosstalk and system noise, plus performance of up to 250 MHz (suitable for 10/100/1000Base-T/TX and 10GBase-T).

CBL-ETH-FL2-16 CABLE SPECIFICATIONS	
FG#:	• FG10-2194-16
Cable Length	• 16.4 ft (5m)
Connectors:	• RJ45 (male, both ends) • Molded Strain Relief
Category:	• Cat6
Data Rate:	• 1000Base-T (Gigabit Ethernet)
Wiring:	• 26 AWG • 4 twisted pairs • Single-core
Plating:	• 24K Gold

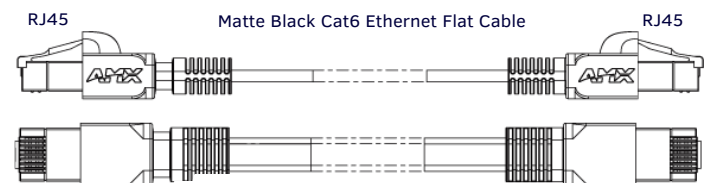RJ45   Matte Black Cat6 Ethernet Flat Cable   RJ45

FIG. 2 CAT6 ETHERNET FLAT CABLE

DisplayPort 4K60 MyTurn-Ready Flat Cable

The DisplayPort to DisplayPort (DP-DP) cable (**CBL-DP-FL2-16**) is *directional* and includes an additional DP-HDMI adapter. The connector labeled **Display** must be connected to the display device (example: HDTV monitor). The source end of the cable is not labeled *(FIG. 3)*: .
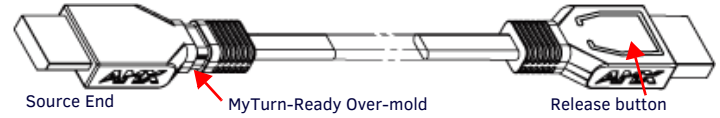

Source End MyTurn-Ready Over-mold Release button

FIG. 3 DP-DP DIRECTIONAL FLAT CABLE

CBL-DP-FL2-16 CABLE SPECIFICATIONS	
FG#:	• FG10-2193-16 - 4K60 MyTurn Ready Flat Cable
Cable Length	• 16.4 ft (5m)
Connectors:	• SOURCE: DisplayPort (male) - connects to the source device • DISPLAY: DisplayPort (male) - connects to the display device • Molded Strain Relief • MyTurn ready Over-Mold
Data Rate:	• 18 Gbps
Signal Support:	• 4K@60Hz
Color:	• 48 Bits (16 bits per color)
Supported Features:	• Deep Color, 3D
Plating:	• 24K Gold
Included:	• DP-HDMI adapter

Mini DisplayPort 4K60 MyTurn-Ready Flat Cable

The Mini DisplayPort to DisplayPort (mDP-DP) cable (**CBL-MDP-FL2-16**) is *directional* and includes an additional DP-HDMI adapter. The DP connector labeled **Display** must be connected to the display device (example: HDTV monitor). The mDP source end of the cable is not labeled *(FIG. 4)*:

Source End MyTurn-Ready Over-mold Release button

FIG. 4 MINI DP-DP DIRECTIONAL FLAT CABLE

CBL-MDP-FL2-16 CABLE SPECIFICATIONS	
FG#:	• FG10-2196-16 - 4K60 MyTurn Ready Flat Cable
Cable Length	• 16.4 ft (5m)
Connectors:	• SOURCE: mDP (male) - connects to the source device • DISPLAY: DP (male) - connects to the display device • Molded Strain Relief • MyTurn ready Over-Mold
Data Rate:	• 18 Gbps
Signal Support:	• 4K@60Hz
Color:	• 48 Bits (16 bits per color)
Supported Features:	• Deep Color, 3D
Plating:	• 24K Gold
Included:	• DP-HDMI adapter

DP Directional Cable Notes

- Connecting the cable backwards, with the connector labeled "DISPLAY" into the video source, will not damage the equipment. However when incorrectly installed, the cable will not transmit a signal.

HDMI Adapter

The DP-DP and mDP-DP cables come with an additional DP-HDMI adapter *(FIG. 5)*. It connects to the Display end of these cables to interface with HDMI ports on some displays or the AMX HDMI Extender (**FG558-21**).
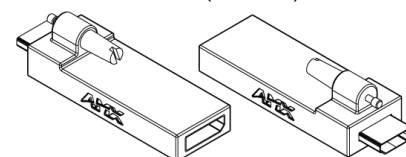

FIG. 5 DP-HDMI ADAPTER

RGB with Stereo MyTurn-Ready Flat Cable

The RGB with Stereo MyTurn-Ready Flat Cable (**CBL-RGB+A-FL2**) is 16 ft with a flat design that can be hidden under the carpet. A separate (included) male-male audio patch cable introduces audio signals from a Source 3.5mm Audio Out jack to be carried to the Display end through the same RGB cable. The Display end pigtail plugs into the Display Audio Input 3.5mm jack.

CBL-RGB+A-FL2-16 CABLE SPECIFICATIONS	
FG#:	• FG10-2195-16 - MyTurn Ready Flat Cable
Cable Length	• 16.4 ft (5m)
Connectors:	SOURCE: 15-pin HD VGA (male), with two 3.5mm female ports: • One port connects to the source device via the separate (included) *Stereo Audio Patch Cable.* • One port is *inactive* - use this port to store the *Stereo Audio Patch Cable* when not in use. See FIG. 6 for details. • MyTurn ready Over-Mold DISPLAY: 15-pin HD VGA (male), with a 3.5mm Stereo pigtail (male) - connects to the display device: • The pigtail is 12" (30.5cm) long. • Molded Strain Relief with lock-down screws
Included:	• 3.5mm Stereo Audio Patch Cable (18" / 45.7cm)

3.5mm stereo audio pigtail (12") connects to the *display* device audio input

Storage Port - use when storing the Stereo Audio Patch Cable when not in use.

Audio Port - active audio port connects to *source* device audio out via included 3.5mm Stereo Audio Patch Cable

This end connects to Source VGA "Out"
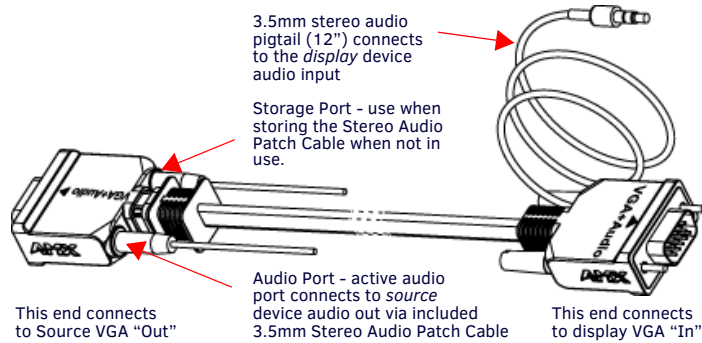
This end connects to display VGA "In"

FIG. 6 RGB + AUDIO FLAT CABLE

Use the separate 3.5mm *Stereo Audio Patch Cable* (included) to connect to the audio output on the Source Device.

USB 3.0 MyTurn-Ready Flat Cable

USB 3.0 MyTurn-Ready Flat Cable (**CBL-USB-FL2-16**) adds the new transfer mode SuperSpeed (SS) that can transfer data at up to 5 Gbit/s (625 MB/s), which is about ten times faster than the USB 2.0 standard. It also supports 900 mA of charging current to power USB devices. The cable is also backwards compatibility with USB 1.0/2.0 devices.

CBL-USB-FL2-16 CABLE SPECIFICATIONS	
FG#:	• FG10-2197-16
Cable Length	• 16.4 ft (5m)
Connectors:	• USB Type A on both ends • Molded Strain Relief • MyTurn ready Over-Mold
Data Rate:	• 5 Gbps
Charge Current:	• 900 mA
Plating:	• 24K Gold

USB Type A Display End

USB Type A Source End with MyTurn-Ready Over-mold

FIG. 7 USB 3.0 FLAT CABLE

Additional Documentation

Refer to the *Products > Architectural Connectivity* catalog page on **www.amx.com** (*Dealer Site*) for additional product documentation.

93-2192-01   REV: A

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