FT2A-CBLR-GR Series

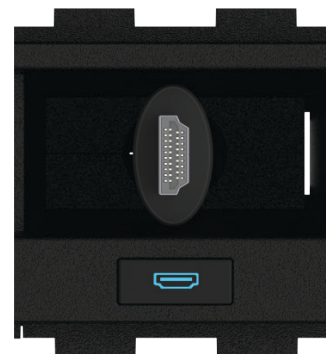## Gravity Cable Retractors for FT2 Series

> *Convenient and cost-effective connectivity for FT2 Series FlipTop™ cable management systems*

> *Precision gravity-assisted track and pulley retraction mechanism*

> *Cable pulls out smoothly to any length up to 34 inches (86 cm)*

> *Cable retracts gracefully by simply lifting it vertically above the table*

> *Highly flexible, low friction flat cable construction*

> *Robust soft-feel sculpted connectors for easy handling*

> *Durable construction for years of reliable use*

> *Backlit international symbol icon identifies the connector type [1]*

> *Active 4K models support 4K60 4:4:4 digital AV signals*

> *Support for HDR and HDCP 2.2*

> *4K models available for HDMI® and DisplayPort™ devices*

> *Additional 4K models available to convert from DisplayPort to HDMI, Mini DisplayPort to DisplayPort, Mini DisplayPort to HDMI, and USB-C® to HDMI*

> *Passive models available for VGA, stereo audio, LAN, and USB 2.0*

> *Requires two module spaces at either end of a FlipTop module row*

> *Optional mid-row installation using additional brackets*

> *Retractor housing snaps onto the FlipTop chassis and extends vertically beneath the table*

> *Requires 28-7/16 inch (722 mm) vertical clearance below the table top surface*

> *Provides a 4 foot (1.2 meter) long tail below the table*

Model FT2A-CBLR-GR-4K-HD shown
(module portion)

Crestron® Gravity Cable Retractors (FT2A-CBLR-GR Series) offer a refined cable management solution for use with Crestron FT2 Series FlipTop cable management systems. Each cable pulls out smoothly to any length up to 34 inches (86 cm) and stays out as long as it remains laying on the table-top. Simply lifting the cable vertically above the FlipTop assembly allows the cable to retract gently back into the FlipTop. Gravity cable retractors use a precision gravity-assisted track and pulley mechanism housed in a vertical enclosure beneath the table.

Each Gravity Cable Retractor is composed of a retractor enclosure and pass-through module. The enclosure attaches to the FlipTop chassis beneath the table, while the module installs in the top of the FlipTop. A 4 foot long cable tail is provided below the table for connection to a DM® transmitter or similar interface device. The pull-out end of the cable passes up through the module so that the connector nests neatly in place and pulls out easily for use. Each module is labeled with an international symbol icon indicating the connection type, which is backlit when installed in an "Electrical" FT2 FlipTop. When installed in a "Mechanical" FlipTop, the symbol icon remains legible but is not backlit.

The pass-through module occupies two module spaces within the FlipTop. The retractor enclosure slides onto the side of the FlipTop chassis beneath the table and locks into place with a snap. Retractors normally install at the left and right ends of a module row, but can also be installed in the middle of a row by adding an FT2A-CBLR-BRKT series mid-row adapter bracket (one per row, each sold separately). Installation requires 28-7/16 inches (722 mm) minimum vertical clearance below the top surface of the table. End-mounted retractors require 2-3/8 inches (60 mm) horizontal clearance

to either side of the chassis, while mid-row retractors require 2-3/4 inches (70 mm) horizontal clearance to the front or rear of the chassis.

Several models of gravity cable retractors are offered. The following "4K" models feature a minimum TMDS bandwidth of 18 Gbps to support ultra high-definition digital video signals up to 4K60 4:4:4. Active circuitry is employed for optimal performance.

- **HDMI® to HDMI –** Model FT2A-CBLR-GR-4K-HD provides a retractable High-Speed HDMI® cable with a male HDMI Type A connector at both ends.
- **DisplayPort™ to DisplayPort –** Model FT2A-CBLR-GR-4K-DP provides a retractable DisplayPort cable with a male DisplayPort connector at both ends.
- **DisplayPort to HDMI –** Model FT2A-CBLR-GR-4K-DP-HD provides a retractable cable with a male DisplayPort connector at the source end above the table and a male HDMI Type A connector at the sink end below the table; converts DisplayPort to HDMI to allow connection of a DisplayPort source to an HDMI input.
- **Mini DisplayPort to DisplayPort –** Model FT2A-CBLR-GR-4K-MDP-DP provides a retractable cable with a male Mini DisplayPort connector at the source end above the table and a regular-sized male DisplayPort connector at the sink end below the table; converts Mini DisplayPort to standard DisplayPort to allow connection of a Mini DisplayPort source to a DisplayPort input.
- **Mini DisplayPort to HDMI –** Model FT2A-CBLR-GR-4K-MDP-HD provides a retractable cable with a male Mini DisplayPort connector at the source end above the table and a male HDMI Type A connector at the sink end below the table; converts Mini DisplayPort to HDMI to allow connection of a Mini DisplayPort source to an HDMI input.
- **USB-C® to HDMI –** Model FT2A-CBLR-GR-4K-USBC-HD provides a retractable cable with a male USB Type-C® connector at the source end above the table and a male HDMI Type A connector at the sink end below the table; converts USB-C to HDMI to allow connection of a USB-C source to an HDMI input.

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Additional models are available to support analog AV and data signals. These cables retractors are passive.

- **VGA –** Model FT2A-CBLR-GR-VGA provides a retractable VGA cable with a male HD15 connector at both ends; supports resolutions up to Full HD 1080p.

- **Stereo Audio –** Model FT2A-CBLR-GR-AUDIO provides a retractable unbalanced stereo audio cable with a male 3.5 mm mini-TRS connector at both ends.

- **LAN –** Model FT2A-CBLR-GR-CAT6 provides a retractable CAT6 LAN cable with a male RJ-45 connector at both ends.

- **USB 2.0 –** Model FT2A-CBLR-GR-USB provides a retractable USB 2.0 cable with a male USB Type-A connector at one end and a USB Type-B connector at the other end. Note that this cable can be used to connect laptops to codecs and extenders but cannot be used to connect a laptop (PC) to another PC.

Should the cable within an FT2A-CBLR-GR series retractor ever become damaged, it can be replaced on site using a new FT2A-CBL-PT series cable.

Note: See also the FT2A-CBLR-1T Series "One-Touch" Cable Retractors for applications with limited vertical space beneath the table.

SPECIFICATIONS

Cable

Pull-Out Length: Up to 2.83 ft (0.86 m) above table
Back End Tail Length: 4 ft (1.2 m) beneath table

Indicator

Symbol Icon: (1) Blue LED backlit icon indicating the cable connector type, illuminates constantly when FlipTop is powered [1]

Environmental

Temperature: 32° to 113° F (0° to 45° C)
Humidity: 10% to 90% RH (non-condensing)

Construction

Pass-Through Module: Precision fit plastic drop-in module, 2-space, black
Retractor Enclosure: Metal housing with plastic neck

End Mounting:
- Module requires two consecutive module spaces at the left or right end of any module row within the FlipTop chassis;
- Enclosure attaches beneath the table to mounting slots on the left or right side of the FlipTop chassis;
- Requires 28.4 inches (722 mm) minimum vertical clearance beneath the top surface of the table;
- Projects 2.15 inches (55 mm) from the side of the FlipTop chassis beneath the table, and requires an additional 0.2 inch or 5 mm for installation

Mid-Row Mounting:
- Requires an FT2A-CBLR-BRKT series mid-row adapter bracket (one per row, each sold separately);
- Module requires two consecutive module spaces in the middle of any module row within the FlipTop chassis (refer to the relevant FT2A-CBLR-BRKT model spec sheet for additional details);
- Enclosure attaches beneath the table to mounting slots on the front or rear of the FlipTop chassis (via the bracket);
- Requires 28.4 inches (722 mm) minimum vertical clearance beneath the top surface of the table;
- Projects 2.55 inches (65 mm) from the front or rear of the FlipTop chassis beneath the table, and requires an additional 0.2 inch or 5 mm for installation

Dimensions

Height: 25.80 in (656 mm)
Width: 4.07 in (104 mm)
Depth: 1.85 in (47 mm)

Dimensions shown are for the retractor enclosure only

Notes:

1. The symbol icon on the top face of the module is only backlit when installed in an FT2 ELEC series "Electrical" FlipTop. When installed in an FT2 MECH series "Mechanical" FlipTop, it is not backlit but remains legible.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at https://www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

The specific patents that cover this and other Crestron products are listed online at https://www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit https://www.crestron.com/opensource.

MODELS & ACCESSORIES

Available Models

FT2A-CBLR-GR-4K-HD: Gravity Cable Retractor for FT2 Series, HDMI® to HDMI, 18 Gbps

FT2A-CBLR-GR-4K-DP: Gravity Cable Retractor for FT2 Series, Display-Port™ to DisplayPort, 18 Gbps

FT2A-CBLR-GR-4K-DP-HD: Gravity Cable Retractor for FT2 Series, DisplayPort™ to HDMI®, 18 Gbps

FT2A-CBLR-GR-4K-MDP-DP: Gravity Cable Retractor for FT2 Series, Mini DisplayPort™ to DisplayPort, 18 Gbps

FT2A-CBLR-GR-4K-MDP-HD: Gravity Cable Retractor for FT2 Series, Mini DisplayPort™ to HDMI®, 18 Gbps

FT2A-CBLR-GR-4K-USBC-HD: Gravity Cable Retractor for FT2 Series, USB-C® to HDMI®, 18 Gbps

FT2A-CBLR-GR-VGA: Gravity Cable Retractor for FT2 Series, HD15 male to HD15 male, VGA, 1080p

FT2A-CBLR-GR-AUDIO: Gravity Cable Retractor for FT2 Series, 3.5mm Mini-TRS Plug to 3.5mm Mini-TRS Plug, Stereo Audio
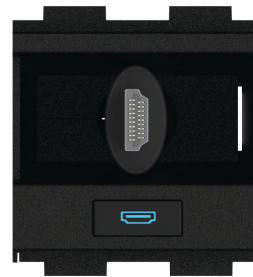
FT2A-CBLR-GR-CAT6: Gravity Cable Retractor for FT2 Series, RJ-45 to RJ-45, CAT6

FT2A-CBLR-GR-USB: Gravity Cable Retractor for FT2 Series, USB-A to USB-A with USB-B male adapter, USB 2.0, 8 ft (2.4 m)

Available Accessories

FT2A-CBLR-BRKT-700: Mid-Row Cable Retractor Adapter Bracket for FT2-700 Series

FT2A-CBLR-BRKT-1400: Mid-Row Cable Retractor Adapter Bracket for FT2-1400 Series
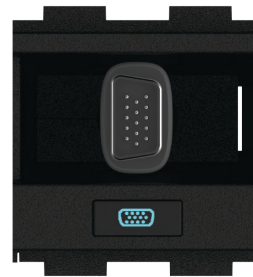
FT2A-CBLR-GR-4K-HD

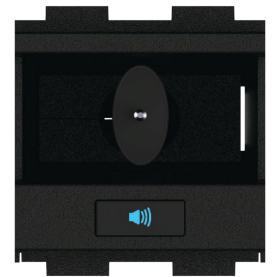**FT2A-CBLR-GR-4K-DP &
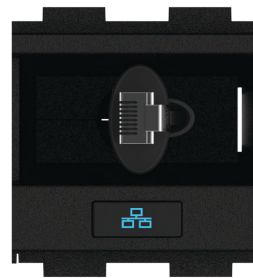FT2A-CBLR-GR-4K-DP-HD**

**FT2A-CBLR-GR-4K-MDP-DP &
FT2A-CBLR-GR-4K-MDP-HD**

FT2A-CBLR-GR-4K-USBC-HD

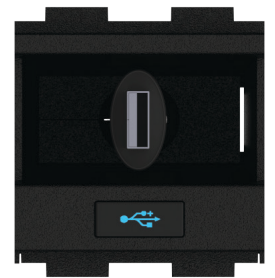**FT2A-CBLR-GR-VGA**

FT2A-CBLR-GR-AUDIO

FT2A-CBLR-GR-CAT6

FT2A-CBLR-GR-USB

Pass-Through Modules shown with retractable cables

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Sink end cable with 48" (122 cm) tail length

Source end cable extends up to 34" (86 cm) from FlipTop

0.75 in
20 mm

7.65 in
195 mm

1.85 in
47 mm

1.83 in
47 mm

4.07 in
104 mm

2.15 in
55 mm

2.15 in
55 mm

25.80 in
656 mm

24.47 in
622 mm

28.38 in
721 mm

Retractor module

2.32 in
59 mm

1.98 in
51 mm

3.26 in
83 mm

Retractor shown attached to FlipTop

3.71 in
95 mm

1.34 in
34 mm