



LIBERTY
AV SOLUTIONS

OVER A DOZEN
★ **NEW** ★
PRODUCTS!

NEW TECHNOLOGY GUIDE



DIGITALINX
VALUE-ENGINEERED DIGITAL SOLUTIONS

Liberty
WIRE & CABLE

intelix
PROFESSIONAL-GRADE SYSTEM ELECTRONICS

FIBERTRON
CUSTOM FIBER OPTICS

PANEL CRAFTERS
CUSTOM PLATES & PANELS

DIPLINX
BY LIBERTY AV SOLUTIONS

NEW TECHNOLOGY GUIDE CONTENTS

HDMI ADAPTER RING	
DL-AR Customizable HDMI Adapter Ring	3
IPLINX AV OVER IP	
IPLINX 5000 SERIES 4k AV Over IP Solution	5
IPLINX 2000 SEREIES 1080p AV Over IP Solution	5
EDUCATION SYSTEMS & SOLUTIONS	
EDU-KIT-001 / EDU-KIT-1H1V Multi-Function AV Distribution System	6
DL-1H1V1U-WP-W HDMI/VGA/USB HDBT 2.0 WP White	7
DL-HD2WP-RX HDBT 2.0 RX w/USB Hub	7
COLLABORATION & PRESENTATION SWITCHERS	
DL-SC51TR BYOC System	8
DL-SE3H1V-C Auto Switcher / HDBT Extender	9
INT-HD52 5x1+1 Auto Switching/Scaling	10
AAP-2011-BYMG Arrive Airpoint 2.0 Wireless Media Gateway	11
AHP-4010-CMMH Arrive Huddlepoint	11
DTEN55NDE Interactive Panel for Collaboration & Presentation	12
DL-UHDILC In-Line Hdmi Auto Sensing Room Controller	13
HDBASET EXTENDERS	
DL-HD2100 HDMI HDBaseT 18g 4k60 4:4:4	14
DL-DP100 HDBaseT Displayport 4K	14
DL-UHDRC70 HDBaseT TX/RX Set	15
DL-HD70LS Slim HDMI Over Twisted Pair 70m	15
DIGI-HD60-WP-S HDBaseT Wall Plate Extender	16
INT-HDX100-TX / INT-HDX100-RX HDBaseT 100m Extenders	17
INT-HD70-TX / INT-HD70-RX HDBaseT 70m Extenders	17
RACK12 EXT / PSU12 Extender Accessories	17
DL-HD60-ARC HDBaseT Extender with Audio Return Channel	18
DIGI-BSR-4K HDBaseT 100m Scaling Receiver	18
DL-HDE100 Slim HDBaseT 100m Extender	19
DL-HD70 Slim HDBaseT 70m Extender	19
DL-HDRKKT HDBaseT Extender Accessories	19
ADDITIONAL EXTENDERS / CONVERTERS	
DL-HD50 HDMI Over Single CAT 50m	20
AUTO SWITCHERS AND EXTENDERS	
DL-AS21C 2x1 HDMI VGA Auto Switcher	21
DL-S41 4x1 Slim HDMI Auto Switcher	21
INT-HD52 5X1+1 Auto Switching/Scaling Presentation Switch	22
DL-AS61 6x1 HDMI VGA Auto Switcher	22
DL-AS31-2H1V 3x1 HDMI VGA Auto Switcher	23
DL-AS31-2H1DP 3x1 HDMI DisplayPort Auto Switcher	23
DL-AS31-1H1DP1V 3x1 HDMI VGA DisplayPort Auto Switcher	23
AS-2H Dual HDMI Auto Switcher	24
AS-1H1V HDMI VGA Auto Switcher	24
AS-1H1DP HDMI Displayport Auto Switcher	24
AS-2H-WP Dual HDMI Auto Switcher Wallplate	25
AS-1H1V-WP HDMI VGA Auto Switcher Wallplate	25
AS-1H1DP-WP HDMI Displayport Auto Switcher Wallplate	25
DL-A31 HDMI 3x1 Matrix Switcher	26
DL-A51 HDMI 5x1 Matrix Switcher	26
DISTRIBUTION AMPLIFIERS / SPLITTERS	
DL-DA12S / DL-DA14S HDMI Distribution Amps	27
MATRIX SWITCHERS	
DL-HDM44-SS / DL-HDM66-SS / DL-HDM88-SS Standard Matrix Switchers	28
DL-HDM44-FS / DL-HDM88-FS Fast Matrix Switchers	29
INT-44HDX / INT-66HDX / INT-88HDX HDBaseT HDCP 2.2 Matrix Switchers	30
INT-HD70-RX / INT-HDX100-RX / DIGI-BSR-4K Matrix Switchers	30
AUDIO AMPLIFICATION	
AUD-220 2 Input Audio Amplifier	31
AUD-340 3 Input Audio Amplifier	31
ROOM CONTROL	
LB-ICP Control Processor	32
LB-KP8 / LB-KP8E Keypad and Wallplate	32
DL-UHDILC In-Line HDMI Auto Sensing Room Controller	33
ADDITIONAL EXTENDERS / CONVERTERS	
DL-HDCP-C HDCP 2.2 to 1.4 Converter	33
DL-SP HDMI Surge Protector	33
USB 3.0 EXTENSION	
DL-USB3.0 Active Extension Cable	34
DIGI-FO-USB3.0 Fiber Extender System	35
USB 2.0 EXTENSION	
DIGI-HDUSB HDMI and USB 2.0 Extension System	42
DIGI-USB2-4P USB 2.0 4-Port Extension System	43
TECHNOLOGY ALLIANCE PARTNERS	
NIVEO	36-38
SP CONTROLS	39-40
ACCESSORIES	
FLEXBOX-WH AV Enclosure Box	41
BYOD-PUCK AV Connection Hub	42
TRB-2V1AD / TSPB-2V1AD / TDPB-2V1AD Table Top AV Boxes	43
HDMI CABLES	
HDPMM HDMI Premium 18G Cable	44
HDMI Cable Solutions	45-46
DL-HDM-M HDMI Premium 18G Active Optical Cable	47
PF-HDM-M HDMI Premium 18G Active Optical Plenum Cable	47
FIBER OPTIC CABLE	
STRONGER, SAFER, FASTER (SSF) FIBER SOLUTIONS	48-51
STANDARD FIBER SOLUTIONS	52-54
PRODUCT HIGHLIGHTS	
CATEGORY CABLE SOLUTIONS	55-57
RF COAXIAL SOLUTIONS	59
SERIAL DIGITAL SOLUTIONS	60
SPEAKER CABLE SOLUTIONS	61-63

DL-AR

UNIVERSAL HDMI ADAPTER RING COMPLETE ASSEMBLY

ADVANCED NEW DESIGN!

- Slimmer, sleeker new design
- Two-position eyelets
- Dongle & adapter versions available
- Increased adapter options
- Get a personalized tag!

The DL-CL black clamp is included with the DL-AR complete assembly and also sold separately.
Specialized security screws for locking the HDMI cable* to the ring are included.
Two sizes of foam inserts are included to fit any sized cable jacket.

Liberty's new and improved HDMI Adapter Ring boasts sleeker adapter sizes with gold-plated connectors to ensure reliable connectivity and more compactness for tighter spaces.

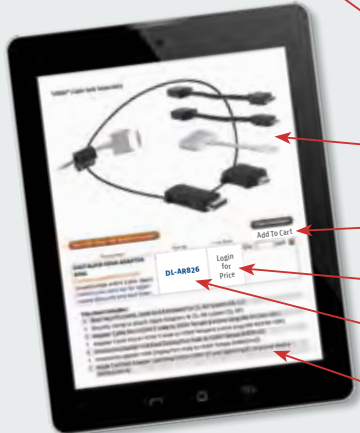
The patent-pending stainless steel ring & clamp locks in the HDMI cable going to the display while all of the adapters are at your fingertips. The adapters are guaranteed to stay locked to the HDMI cable so they won't get lost for the next presentation!

Boardrooms, lecture halls, meeting rooms, classrooms and other mixed use venues should never be without it. Make Liberty's breakthrough DL-AR Adapter Ring part of every installation and feel the love from your customers!

*HDMI cable not included, see back page for options or go to www.LibAV.com for Liberty's entire line of HDMI cable solutions!



Two-position eyelets for more versatility!



Create your own CUSTOMIZED HDMI Adapter Ring

Check out our simple & free online configurator at www.LibAV.com!

- Choose any adapter, clamp, cable, or tool that is available
- See a preview of your custom ring before you buy!
- Easily add your customized HDMI Ring to cart with any quantity
- Get instant pricing when logged in
- Your unique part number is automatically generated, re-ordering is super simple!
- See complete list of your selected items



ARDPHD

Display Port male to HDMI female in-line adapter

ARDVHD

DVI-D single link male to HDMI A female

ARMDDH

Mini-HDMI C male to HDMI female in-Line adapter

ARMCHD

Micro-HDMI D male to HDMI female in-line adapter

ARMDDPHD

Mini-Display Port male to HDMI female in-line adapter

DL-CL
BLACK clamp assembly & foam inserts to securely fit any sized HDMI cable



DL-AP
Add Apple® adapters with our custom white clamp! Fits any dongle or cable



*Apple adapters sold separately

MD826ZM/A
Lightning digital AV adapter



MD098ZM/A
30-pin digital AV adapter





Check out our simple to use, super affordable AV over IP System - IPLinx! Watch the game on your video wall, see 4k distributed video, and experience the simplicity and quality IPLinx has to offer!



Easy Drag & Drop App easily moves video to desired displays



IPLinx iOS/PC Control/Preview App
Provides complete matrix or video wall control

- Designed to Offer Simple System Control
- Drag and Drop Video Selection
- Power On/Off Displays with CEC Control
- Creates and Stores up to Three System Presets



Distribute A/V, USB and control signals over a 1Gb network. Great for digital signage, house of worship, combined conference rooms and bars and restaurants. Easy to install and configure all while remaining very affordable.

IPLinx 5000 Series – 4K AV Over IP Solution



IPLinx IPEX5001 4K Encoder



IPLinx IPEX5002 4K Decoder



IPLinx IPEXCB
Control Interface

- JPEG2000
- 4K/HDR Compatible
- PoE
- Low Latency
- Video Wall Capable up to 16x16
- Supports TCP/IP, RS232, IR Control
- USB Extension
- Audio, Video and USB can be Routed Independently
- Each Decoder Equipped with a 4k Up/Down Scaler
- Ready made Crestron, Control4, RTI and Savant Drivers Available

IPLinx 2000 Series – 1080p AV Over IP Solution



IPLinx IPEX2001 1080p Encoder



IPLinx IPEX2002 1080p Decoder



IPLinx IPEXCB
Control Interface

- H.264
- Supports up to 1080p
- PoE
- Video Wall Capable up to 16x16
- Supports TCP/IP, RS232, IR Control
- Supports CBR/VBR
- Each Decoder Equipped with a 1080p Scaler
- Ready Made Crestron, Control4, RTI Drivers Available

EDU-KIT-001 / EDU-KIT-1H1V

MULTI-FUNCTION AV DISTRIBUTION SYSTEM



INCLUDED IN PACKAGE:

- Qty 1: **TPHD541T-WP** HDMI HDBaseT auto or manual switching wall plate
- Qty 1: **TPHD541R-PA** AV receiver/processor with HDBaseT
- Qty 1: **WP4N** Manual control wall plate

PACKAGE FEATURES AND BENEFITS:

- Double-gang wall plate with 2 HDMI inputs, USB-B connection, & source selection button. Signal extended via HDBaseT 2.0
- Auto-sensing/switching or manual switching of HDMI inputs. Extend HDMI & USB 2.0 for Smart Board control (or any other peripheral device) all over a single Cat6 cable up to 30 meters
- Single-gang control plate offers HDMI source selection, audio source selection, audio volume control, and system power on or off, as well as IR sensor for IR learning. USB-A port provided to copy your configuration for easy mass deployment
- Single Cat6 connection from Control plate to AV plate, and from AV plate to receiver/processor. Control and AV plate remotely powered via PoC
- Save IR or RS232 display power commands. Single button press to power on/off entire system
- Web base user GUI allows user to fully control system from PC or tablet
- 20 watt 4 ohm integrated audio amplifier as well as mic/line level audio input
- Alarm/PA mute trigger
- Package with appropriate length wire & cable, speakers, power products, and any other Liberty provided products to create a complete kit with a single part number

OPTIONAL ADDITIONS TO THIS ROOM

- 1) If VGA with audio is needed, add the DL-VHD to convert VGA w/audio to HDMI at the teacher station and use one of the HDMI inputs
- 2) Niveo wireless access point NWA100 ceiling mount or NWA200 in-wall solution
- 3) Length of cables to be determined and can be included with the package
- 4) Surge protection from Niveo
- 5) Atlas Sound Speakers

DL-1H1V1U-WP-W

HDMI/VGA/USB HDBT 2.0 WP WHITE



The DigitalLinx **DL-1H1V1U-WP-W** is a 2x1 auto switching HDBT 2.0 transmitter that supports the long distance transport of HDMI, VGA and USB 2.0 up to 70 meters / 230' using CAT6 cabling and features an HDMI, VGA with Audio and USB(A) input. The DL-1H1V1U-WP-W gives you the ability to automate the display technology on whenever a video signal is introduced to the system on either the HDMI or VGA input. It will also turn the display technology off after a specified amount of time has passed when no video signal is present. It also gives you the ability to turn on/off display as well and switch from one input to another manually from the face plate.

KEY FEATURES

- Extends HDMI / VGA and USB up to 100m / 330'
- RS232 pass through over HDBaseT
- Supports 4K@60Hz 4:2:0
- Front Panel Input and Display on/off Selection
- Compatible with the DL-HD2WP-RX receiver

DL-HD2WP-RX

HDBT 2.0 RX W/USB HUB



The DigitalLinx DL-HD2WP-RX is an HDBT 2.0 receiver that is compatible with the DL-1H1V1U-WP-W 2x1 auto switching wall plate that transmits HDMI, VGA and USB 2.0 up to 70 meters / 230'. There is an RS232 port for connecting displays for on/off automation, HDMI out and de-embed 3.5mm audio output as well as a 4 port USB hub that features four USB (A) ports. When paired with the DL-1H1V1U-WP-W, the extends system is ideal for situations where USB must be extended with HDMI or VGA for interactivity for items such as whiteboards for conference rooms or classrooms.

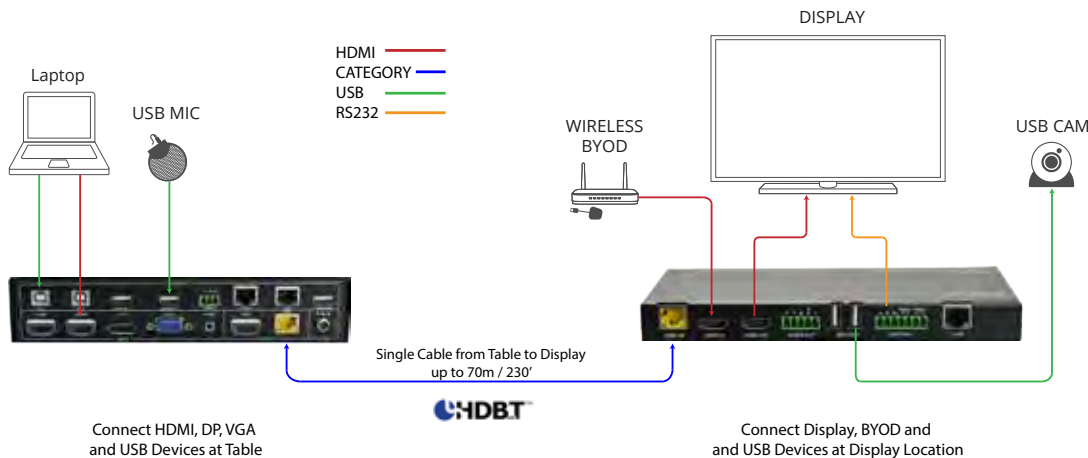
KEY FEATURES

- Matching HDBaseT2.0 RX with USB Hub
- Offers PoE to power the TX plate
- Pass-Through RS232



AUTOMATED CONFERENCE/ HUDDLE SPACE SOLUTIONS

Huddle rooms, conference rooms, BYOD, auto-switching, the list goes on... And we all understand how important these spaces are to our customers. Functional, affordable, and most importantly **EASY TO USE** huddle spaces. Liberty AV Solutions huddle/conference space systems and products will fit your needs and budget. Our systems integrate wireless BYOD, room scheduling, soft codec integration, simple automation control, switching, extension, and more. Remember the Liberty turn key huddle systems for your next project!



Input on RX allows you to incorporate wireless gateways to wirelessly screen share!

System automation built in! It automatically powers up TV or projector via RS232, up/down relays for projector screens with no need for separate system control.

DL-SC51TR



DigitalInx DL-SC51TR BYOC System

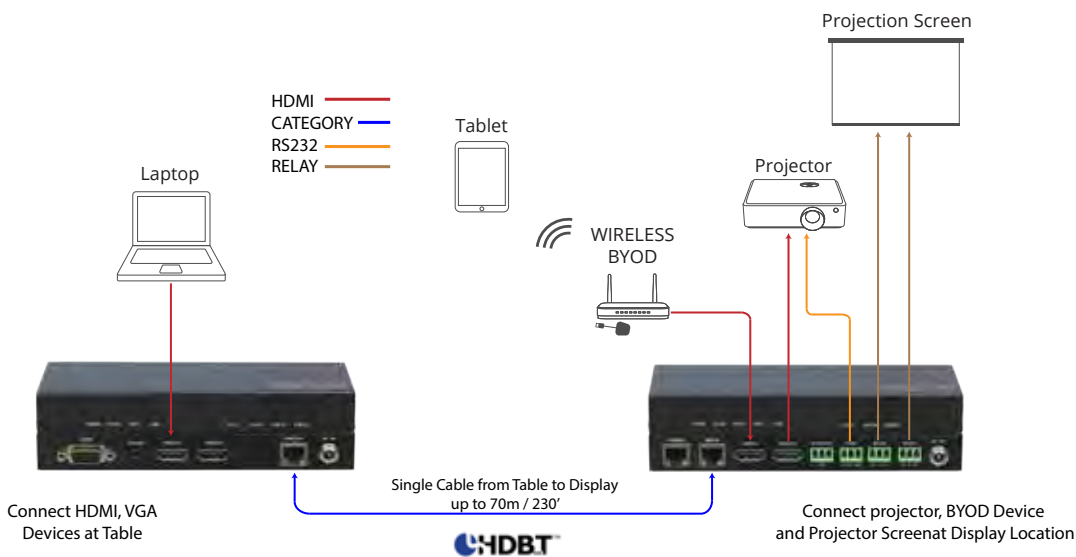


Users bring their own computer to the room eliminating the need for dedicated conference systems- the computer is the conference system! Users can now utilize the rooms built in USB mic and camera for a professional user experience.

- 5x1 A/V auto switcher, HDBaseT 2.0 extender and simple control system in one
- 4 Port USB 2.0 hub built in
- Local HDMI input on RX for BYOD devices
- Automated control features two relay ports and an RS232 port to power up displays and room peripherals when video input is detected
- Supports TCP/IP and RS232 control



Collaboration spaces are growing at a rapid rate. These are simple, easy to use rooms for people to screen share and share ideas. Liberty's automated room solutions will help simplify systems configuration.



Two HDMI ports and one VGA port at the table plus one HDMI port at the display allows for seamless and easy to use collaboration.

Automation built in! Display powers on when a video source is plugged in, powers off after no present video signal.

DL-SE3H1V-C



Digitalinx DL-SE3H1V-C Auto Switcher / HDBT Extender with Built in Automation Control!

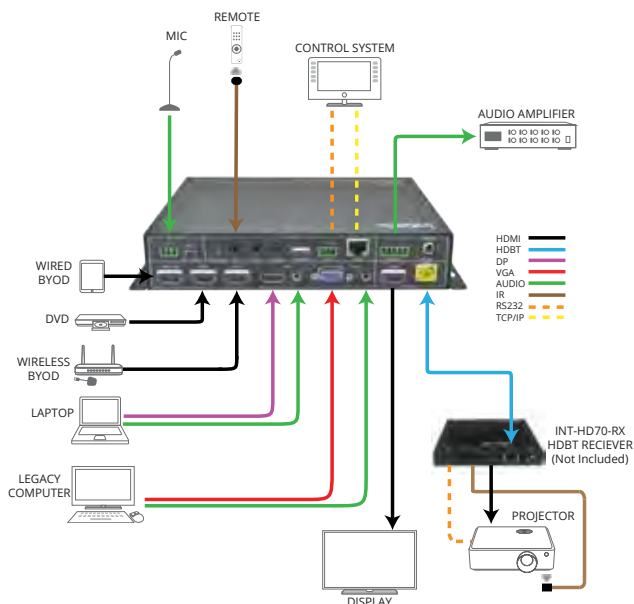


Connect, automate and share. The DL-SE3H1V-C is a complete 4K auto switcher and HDBaseT extender system with built in automation control that powers up display and room peripherals when video input is detected.

- 4x1 A/V Auto Switcher, HDBaseT Extender and Simple Control System in one
- Local HDMI Input on RX for BYOD Devices
- Automated Control Features two Relay Ports and an RS232 Port to Power up Displays and Room Peripherals when Video Input is Detected
- Supports TCP/IP and RS232 Control

INT-HD52

5X1+1 AUTO SWITCHING/SCALING PRESENTATION SWITCH WITH HDBASET W/POE & HDMI OUTPUT



The Intelix **INT-HD52** is a compact auto switcher scalar that allows the integration of analog and digital devices into a high-definition environment. Mounting options include under table or resting on a shelf. The INT-HD52 allows selection of five different A/V sources, and will simultaneously scale the selected video to HDMI and HDBaseT outputs. The unit features three HDCP compliant HDMI inputs, one Display Port input and one VGA input. The VGA input can be configured to support YPbPr (component video), YC (S-video), and C (composite video) video formats with the appropriate VGA breakout cable. There are eight fixed output resolutions to choose from, and several aspect ratio modes, which will ensure your content is displayed properly. The HDBaseT output will allow you to extend audio, video, and control signals up to 70m away.

KEY FEATURES

- 3 HDMI, 1 DP w/audio, 1 VGA w/audio input
- HDBaseT with PoE and a mirrored HDMI output
- Integrated scaling up to 1900X1200
- Mic / Line level audio input with audio embedding and phantom power
- Audio De-embedding w/balanced audio out
- Fast/seamless switching time <1s
- RS232 & IR tunneling over HDBaseT for control of connected devices/displays
- Controlable via RS232, TCP/IP, IR, or Front Panel
- Auto switching
- Ships with under table mounting ears
- Integrated web GUI for setup and/or control
- Up to 70m signal extension with PoE via HDBaseT



AAP-2011-BYMG

ARRIVE® AIRPOINT™ 2.0 WIRELESS MEDIA GATEWAY



KEY FEATURES

- Supports Airplay, Miracast and Intel WiDi
- Users can select from 2.4Ghz or 5Ghz
- Connect to a LAN and use the networks WAP resources, automatically disengages local WiFi.
- When connected to LAN the Airpoint can be managed remotely.

AHP-4010-CMMH

ARRIVE HUDDLEPOINT "BRING YOUR OWN CONFERENCING" TABLE CUBBY A/V SWITCHER

KEY FEATURES

- Table cubby and A/V auto switcher / scaler all in one!
- 2 HDMI , 1 Display Port and 1 VGA/A and USB feed through inputs
- Built in USB 3.0 Hub for connecting USB mics and cameras
- Built in DC outlets for charging portable devices
- Can be flush-mounted onto a conference table
- Cable management built in



DTEN55NDE

DISPLAYTEN 55" 1080P INTERACTIVE PANEL FOR COLLABORATION AND PRESENTATION

DisplayTen designs turn key solutions to simplify collaboration for the next generation workplaces. DisplayTen's cable-free collaboration solution allows users to share content on the 55", 70" and 84" interactive displays wirelessly. It also features a pen and eraser with zero latency, 10-touchpoint integration, two way control between DisplayTen and your Mac and PC as well as an elegant modular design.



KEY FEATURES

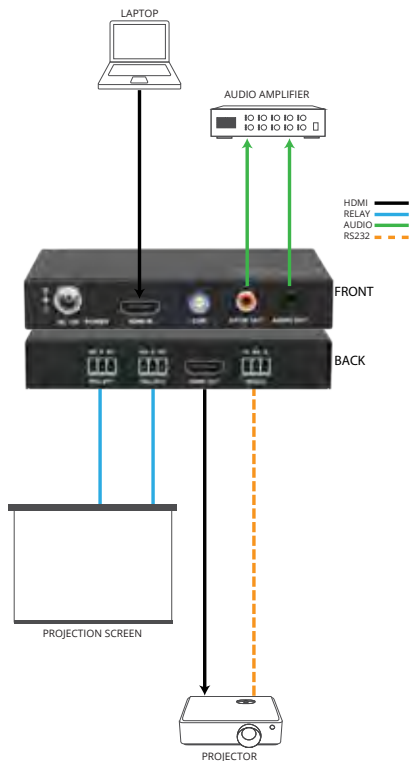
HIGHLIGHTS

- Share any content from your PC, Mac, mobile or web on a HD display
- Annotate, organize and distribute to anyone
- Work with a 'real' pen and eraser
- Use the two-way control to communicate ideas.
- Use one-click wireless sharing to focus on ideas and discussions
- Use dedicated Wi-Fi to ensure data security
- Available in both offline and online modes

- DTEN Dongle wireless connection
- No Wi-Fi set up and no software installation
- DTEN Dongle offers two-way control between DTEN and your device
- Usable without a separate computer or device
- Power cable is the only cable required
- Stable and customized with DTEN Android software
- Dedicated Wi-Fi connection for DTEN dongle
- Annotate with two-finger gesture
- 10 Touch Recognition
- Samsung Grade A 1080P glass
- Ports for VGA, HDMI, RS232 and all necessary connections you need
- Optional slot for PC module
- Virtually zero parallax
- Supports doc., ppt., jpg., mp4., and other file formats
- Built-in web browser

DL-UHDILC

IN-LINE HDMI AUTO SENSING ROOM CONTROLLER



The DigitalinX **DL-UHDILC** is an HDMI in-line controller that can automate room peripherals and sink devices when a video signal is introduced to the unit. The DL-UHDILC is 4K compatible, supports HDCP version 2.2, has an analog and digital de-embedded audio output and has 15 built in EDID presets that can be adjusted by the rotary dial on the front panel.

When the DL-UHDILC auto-detects an input video signal, the DL-UHDILC will automatically turn a display or projector on either by CEC or by pre-loaded RS232 serial commands. The DL-UHDILC will trigger the first relay port to switch a projector screen or window shade down. When a video signal is no longer present after a specified amount of time, the DL-UHDILC will turn off the display or projector by either CEC or pre-loaded RS232 commands and will trigger the second relay port to switch a projector screen or window shade up.

KEY FEATURES

- Stand alone unit
- Automates room peripherals when video signal is introduced to system
- Passes HDMI signals up to 18G 4K60 4:4:4
- Built in CEC controller from HDMI out.
- Built in RS232 controller to control display device
- Built in RELAY control for room peripherals such as projector screen or window shade
- De-embeds audio to coax S/PDIF or Stereo
- Switch for EDID Management with 15 EDID presets



DL-HD2100

HDMI HDBASET 18G 4K60 4:4:4 CAPABLE EXTENDER SET WITH IR,RS232,ARC, & AUDIO DE-EMBEDDING



4K60 4:4:4 over HDBaseT

18G 4K60 4:4:4

The DigitalLinX **DL-HD2100** is an 18G HDMI 2.0 extender over category cable that can transport data rates up to 18Gbps up to 100 meters. The system uses 2:1 data compression when the signal surpasses 10Gbps, anything under 10Gbps will never be compressed. In addition to extending high bandwidth signals, the extension system will extend IR, RS232, digital audio and is ARC compatible. System supports flexible power so entire extender circuit can be powered by either the TX or RX side.

KEY FEATURES

- 18G 4K60 4:4:4 capable HDBaseT complete extender set
- Extend HDMI, IR, RS232, ARC
- SPDIF connection for ARC or Digital audio extension
- Analog Audio De-embedding
- Flexible PoE power can be applied at either end
- Threaded power supply included

DL-DP100

HDBASET DISPLAYPORT 4K, USB, RS232 AND IR EXTENDER COMPLETE SET



The DigitalLinX **DL-DP100** is an 18G DisplayPort 1.2 extender over category cable that can transport data rates up to 18Gbps up to 100 meters. The system uses 2:1 data compression when the signal surpasses 10Gbps, anything under 10Gbps will never be compressed. In addition to extending high bandwidth signals, the extension system will extend IR, RS232, digital audio and is ARC compatible. System supports flexible power so entire extender circuit can be powered by either the TX or RX side.

KEY FEATURES

- DisplayPort extension up to 330 feet via HDBaseT
- 4K, HDCP compliant
- Built-in USB2.0 extension
- Bi-directional RS232 and IR extension
- Powered at transmitter only
- Slim design

DL-UHDRC70

DIGITALINX HDBASET TX/RX SET WITH RECLOCKING FEATURE FOR CABLE BOX AND MEDIA PLAYER COMPATIBILITY



The DigitalInx **DL-UHDRC70** is a re-clocking HDBT extender system that is compatible with source devices that does not support clock stretching such as older cable set top boxes. The DL-UHDRC70 can extend HDMI up to 70m / 230' and also extends bi-directional IR as well as RS232. Supports 7.1 DTS Master HD and Dolby True HD.

KEY FEATURES

- Re-clocking feature allows for compatibility with Amazon Box, Roku Box, Cable Boxes
- Cat5E/6 Cable 1080P 60M, 4K60 4:2:0 35M
- Cat6/7 Cable 1080P 70M, 4K604:2:0 40M
- 5-Play HDBT, bi-directional can be applied to either end
- Supports 7.1 DTS Master HD and Dolby True HD
- Locking Power Supply Connector
- LED indicators for power, HDCP, and HDBaseT link
- Powered at transmitter only
- Slim design

DL-HD70LS

SLIM HDMI OVER TWISTED PAIR 70M HDBASET COMPLETE SET WITH POWER AND IR EXTENSION



TRANSMITTER



RECEIVER

The DigitalInx **DL-HD70LS** extender set transmits HDMI (1080p, 4Kx2K (UHD) & 3D), including HDCP 2.2, and bidirectional IR up to 70 meters away using a single solid core, shielded Category 5e twisted pair cable. Built-in surge protection helps ensure hassle-free and robust installations. The 12 volt power supply is secured with a screw-on connector to prevent the power from being accidentally disconnected. The DL-HD70LS is sold only as a set. The individual transmitter and receiver are not compatible with other HDBaseT devices due to proprietary PoE circuitry.

KEY FEATURES

- HDMI transmission up to 230 feet (70m)
- Complete set Includes TX, RX, Power Supply, and IR flasher/emitter
- 1080p, 4Kx2K & 3D compatible; CEC supported
- Built-in surge protection; diagnostic LEDs
- HDCP 2.2 compliant
- Bidirectional Wideband IR
- Power from TX supplies RX
- Locking power connector (power supply included)

DIGI-HD60-WP-S

60M HDMI WALL PLATE HDBASET TRANSMITTER



The Intelix **DIGI-HD60-WP-S** extends HDMI over a single twisted pair cable by incorporating HDBaseT technology. The DIGI-HD60-WP-S supports HDCP Encrypted Content & DDC/EDID Transmission. DIGI-HD60-WP-S transmits Ultra HD (4K2K), HDTV Video Resolutions up to 720p/1080i/1080p@60Hz and WUXGA (1920X1200 @60Hz) at distances of 60m (196ft). Diagnostic LED ensure hassle-free and robust installations. The DIGI-HD60 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.



Need Help?

We offer technical assistance on all of our products or applications!

Call us at
800-530-8998
 or email:

orders@LibAV.com

TECH SPECS

INPUT/OUTPUT CONNECTIONS

HDMI	One (1) HDMI Type A Receptacle
Twisted Pair	One (1) 8P8C port (Shielded RJ45)

SUPPORTED AUDIO AND VIDEO

Maximum Video Compatibility at 60 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 35 m	Deep Color 48 Bit at 1080p, 3D, and 4k x 2k (UHD) up to 30 Hz: RGB, YCbCr 4:4:4, YCbCr 4:2:2; up to 60 Hz: YCbCr 4:2:0
Video Compliance	HDMI, HDCP 2.2, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio

HDBaseT SIGNAL CHARACTERISTICS

Maximum Distance	60 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps

CHASSIS & ENVIRONMENTAL

Enclosure	Painted steel
Dimensions	45.72mm x 20.82mm x 104.14mm (1.80 in. x 0.82 in. x 4.10 in.)
Shipping Weight	0.22 kg (0.49 lbs.)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Temperature (Chassis)	0° to +55° C (+32° to +131° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Storage Humidity (Environment)	20% to 90%, Non-condensing

POWER, ESD, AND REGULATORY

Maximum Power Consumption	24VDC @ 0.5 Amps (Max.)
ESD Protection	15kV
Regulatory	CE, RoHS, FCC

OTHER

Standard Warranty	2 years
Diagnostic Indicators	Link LED
Included Items	Installation Guide

INT-HDX100-TX / INT-HDX100-RX INT-HDXL100-TX / INT-HDXL100-RX

100M AND 150M HDMI, IR, RS232 AND ETHERNET HDBASET EXTENDERS



INT-HDX100-TX



INT-HDX100-RX



INT-HDXL100-TX



INT-HDXL100-RX

The Intelix **INT-HDX100** and **INT-HDXL100** transmitters (TX) and receivers (RX) extend HDMI over a single solid core shielded Category 5e or greater cable using the Valens VS100TX HDBaseT chip, support 1080p, full 3D or 4k x 2k video signals including multichannel audio and HDCP 1.4/2.2. INT-HDX100 models support signal up to 100 meters (323 feet) and the HDXL100 models support signal up to 150 meters (492 feet). Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations.

Key features of the new extender series include power over HDBaseT (PoH), bidirectional IR, bidirectional RS232, and Ethernet pass-through with a 2-port network switch.

INT-HD70-TX / INT-HD70-RX

70M HDMI, IR AND RS232 HDBASET EXTENDER



INT-HD70-TX



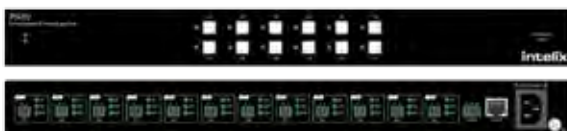
INT-HD70-RX

The Intelix **INT-HD70-TX** (Transmitter) and **INT-HD70-RX** (Receiver) extend HDMI, IR, and RS232 over a single solid core shielded Category 5e or greater cable using the Valens VS010TX HDBaseT chip. The HD70 series extenders supports a 1080p video signal, including HDCP 2.2 and multichannel audio, up to 70m, as well as 3D and 4K x 2K (UHD) signals up to 40m. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Flexible power design allows the units to be powered at either the TX or RX end, and only one power supply is required. The power supply is included; IR accessories (DIGIB-EMT and DIGIB-EYE) are sold separately. The INT-HD70 series extenders are compatible with all Intelix HDBaseT product offerings and any product that meets the HDBaseT specifications.

EXTENDER ACCESSORIES

PSU12

12 OUTPUT DC POWER SUPPLY UNIT



RACK12 EXT

12 SLOT HDBASET
EXTENDER RACK
MOUNT KIT

DL-HD60-ARC

HDBASET EXTENDER SET WITH AUDIO RETURN CHANNEL



The DigitalLinx **DL-HD60-ARC** HDBaseT extender set transmits HDMI (1080p and UHD/30) including HDCP 1.4, Bi-directional IR control and High Bandwidth of 10.2Gbps up to 70 meters away using a single Category 6 twisted pair cable. Built-in diagnostic LEDs ensure hassle-free and robust installations. The DL-HD60-ARC supports ARC providing a solution where users have flexibility to enable audio upstreaming from display to speakers. The 12V PoC integrated design allows the units to be powered at the TX or RX, and only one power supply is required. The 12 volt power supply is secured with a screw-on connector to prevent the power from being accidentally disconnected.

KEY FEATURES

- HDMI extension up to 70 meters
- 4K, HDCP 1.4 compliance
- Transmitter features S/PDIF audio output
- Selectable ARC from HDMI input or SPDIF output on transmitter
- Bi-directional IR extension
- Flexible PoC power only requires power on one end (Either End)

DIGI-BSR-4K

100 M HDBASET 4K SCALING RECEIVER WITH HDMI, IR, RS232 AND ETHERNET



The Intelix **DIGI-BSR-4K** extends HDMI over a single solid core shielded Category 5e or greater cable using the Valens VS100RX HDBaseT chip and scales the source content up or down to the native resolution of the connected display. The DIGI-BSR-4K supports 1080p, full 3D or 4k x 2k video signals up to 100 meters (328 feet) including multichannel audio and HDCP 1.4. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Additional connections include bidirectional IR, bidirectional RS232, and Ethernet pass-through with a 2-port network switch.

KEY FEATURES

- HDBaseT receiver
- Built-in scaling up to 4kx2k
- Up/Down Scaling ability
- 100 meter max distance
- PoE powers the remote transmitter
- SPDIF and analog audio de-embedding
- Compatible with all Intelix HDBaseT products
- Affordable way to scale HDBaseT signals to match your display needs

The DIGI-BSR-4K requires local power, but it can provide power to a compatible HDBaseT transmitter. The power supply is included with the extender. The bidirectional wideband IR, bidirectional RS232, and Ethernet pass-through capabilities make the DIGI-BSR-4K compatible with most control systems.

DL-HDE100

HDMI OVER TWISTED PAIR SET WITH POWER, CONTROL, AND ETHERNET



KEY FEATURES

- HDMI transmission up to 330 feet (100m)
- 1080p, 4Kx2K (UHD) & 3D compatible
- CEC supported
- Built-in surge protection
- Diagnostic LEDs
- HDCP 2.2 compliant
- Bidirectional Wideband IR and RS232 pass-through
- 100-BaseT Ethernet pass-through
- Flexible power design (use power supply at TX or RX)
- Locking Power Connector

The DigitalLinX **DL-HDE100** extender set transmits HDMI (1080p, 4Kx2K (UHD) & 3D) including HDCP 2.2, Ethernet, bidirectional IR, and RS232 up to 100 meters away using a single twisted pair cable. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Flexible power design allows the units to be powered at either the TX or RX end, and only one power supply is required. The

12 volt power supply is secured with a screw-on connector to prevent the power from being accidentally disconnected. The DL-HDE100 is sold only as a set. Accessories are two IR emitters, two IR receivers, and two pairs of mounting brackets with screws. The individual transmitter and receiver are not compatible with other HDBaseT devices due to proprietary PoE circuitry.

DL-HD70

HDMI OVER TWISTED PAIR SET WITH POWER AND CONTROL



KEY FEATURES

- HDMI transmission up to 230 feet (70m)
- 1080p, 4Kx2K (UHD) & 3D compatible
- CEC supported
- Built-in surge protection
- Diagnostic LEDs
- HDCP 2.2 compliant
- Bidirectional Wideband IR and RS232 passthrough
- Flexible power design (use power supply at TX or RX)
- Locking Power Connector

The DigitalLinX **DL-HD70** extender set transmits HDMI (1080p, 4Kx2K (UHD) & 3D) including HDCP 2.2, bidirectional IR, and RS232 up to 70 meters away using a single twisted pair cable. Built-in surge protection and diagnostic LEDs ensure hassle-free and robust installations. Flexible power design allows the units to be powered at either the TX or RX end, and only one power supply is required. The 12 volt power supply is secured

with a screw-on connector to prevent the power from being accidentally disconnected. The DL-HD70 is sold only as a set. All accessories are included including two IR emitters, two IR receivers, and two pairs of mounting brackets with screws. The individual transmitter and receiver are not compatible with other HDBaseT devices due to proprietary PoE circuitry.

HDBASET EXTENDERS ACCESSORY



DL-HDRKKT
DIGITALINX RACK
MOUNT KIT FOR
DL-HDE100 / DL-HD70

DL-HD50C

HDMI OVER SINGLE CAT 50M (150') EXTENDER SET



The DigitaLinx **DL-HD50C** is an HDMI Extender over Single Cat5e/6 with IR up to a distance of 164ft/50m. The DL-HD50C features EDID management, which allows and encourages source and display "handshake" for seamless integration. Deep color video, 1080p High Definition resolution, DTS-HD or Dolby TrueHD audio are supported with this extender. In addition, The DL-HD50C is sold as a set with a transmitting unit and receiving unit. The transmitting unit is used to capture the HDMI input with IR and carries the signals via one cost effective Cat5e/6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR control signals. The extender offers the most convenient solution for HDMI extension over a single Cat5e/6 with long distance capability, and is the perfect solution for any application.

KEY FEATURES

- Simple and cost-effective HDMI over single Cat Extender
- Uncompressed 1080P/60Hz up to 50 meters over single Cat5e/Cat6a
- HDMI 1.3b and HDCP compliance
- Independent HDMI equalization adjustment button.
- One-way IR pass through
- Built-in Surge protection: Voltage $\pm 1kV$
- Compact size for easy installation.
- HDMI output on TX for local display
- Power required on TX side only



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DL-AS21C

HDMI + VGA AUTO-SWITCHER WITH CEC CONTROL



The DigitalLinX **DL-AS21C** is a compact multi-format switcher with support for video resolutions up to UHD (4096x2160). Featuring one HDMI input and one VGA input with stereo audio, the DL-AS21C automatically or manually switches either input to a single HDMI output. The DL-AS21C features multiple methods of control. When set to AUTO, the switcher will automatically switch to the newest source device added to the DL-AS21C with VGA taking precedence should multiple sources be live simultaneously. The DL-AS21C may be manually controlled by switching via the front panel, RS232, or contact closure. As an added benefit, the DL-AS21C features a built-in CEC controller to power on/off the connected display by auto-selecting the source device's status.

KEY FEATURES

- HDMI supports 1080p, 3D and 4K video and 2.0/5.1 audio
- VGA supports up to 1920x1200 with audio embedding
- Built-in EDID settings and EDID pass-through
- HDMI output with CEC control of display
- Manual, RS232, contact closure, & automatic switching

DL-S41

BLACK DIGITALINX 4X1 HDMI AUTOSWITCHER



KEY FEATURES

- Auto-switch or manual switch between four HDMI inputs
- One HDMI and one 3.5 mm (ARC & audio de-embedding) output
- Front panel, IR and RS232 control
- UHD, 1080p, 3D compatible; HDCP compliant

The new **DL-S41** is a small format auto-switcher with four HDMI video inputs and one HDMI output. This switcher supports HDMI video resolutions up to 4K (3840x2160) at 30 Hz, 1080p 3D, and multichannel audio. In addition to passing EDID information from the display, there are multiple built-in EDID settings to simplify an installation. The DL-S41 will de-embed digital stereo audio to allow for an existing audio system. This switcher also features audio return channel (ARC) support through the analog audio output.

When in auto-switch mode, the DL-S41 will switch to a HDMI input as soon as a new source is connected. When the active source is removed, the switcher will select the first source on the lowest numbered input. The DL-S41 may also be controlled via RS232, IR with the included remote, or from the source button on the front of the switcher.



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INT-HD52

5X1+1 AUTO SWITCHING/SCALING PRESENTATION SWITCH WITH HDBASET W/POE & HDMI OUTPUT



KEY FEATURES

- 3 HDMI, 1 DP w/audio, 1 VGA w/audio input
- HDBaseT with PoE and a mirrored HDMI output
- Integrated scaling up to 1900X1200
- Mic / Line level audio input with audio embedding and phantom power
- Audio De-embedding w/balanced audio out
- Fast/seamless switching time <1s
- RS232 & IR tunneling over HDBaseT for control of connected devices/displays
- Controlable via RS232, TCP/IP, IR, or Front Panel
- Auto switching
- Ships with under table mounting ears
- Integrated web GUI for setup and/or control
- Up to 70m signal extension with PoE via HDBaseT

The Intelix **INT-HD52** is a compact auto switcher scalar that allows the integration of analog and digital devices into a high-definition environment. Mounting options include under table or resting on a shelf. The INT-HD52 allows selection of five different A/V sources, and will simultaneously scale the selected video to HDMI and HDBaseT outputs. The unit features three HDCP compliant HDMI inputs, one Display Port input and

one VGA input. The VGA input can be configured to support YPbPr (component video), YC (S-video), and C (composite video) video formats with the appropriate VGA breakout cable. There are eight fixed output resolutions to choose from, and several aspect ratio modes, which will ensure your content is displayed properly. The HDBaseT output will allow you to extend audio, video, and control signals up to 70m away.

DL-AS61

4 HDMI + 2 VGA INPUT AUTO-SWITCHER W/VGA SCALING



KEY FEATURES

- HDMI supports 1080p, 3D and 4K video and 2.0/5.1 audio
- VGA scaling up to 1920x1200 with audio embedding
- Built-in EDID settings and EDID pass-through
- HDMI output with analog and optical audio outputs
- Manual, RS232, IR, and automatic switching

The DigitalLinX **DL-AS61** is a compact multi-format switcher with support for video resolutions up to UHD (3840x2160). With multiple built-in EDID settings, including an EDID pass-through option, the highest quality digital video signal will be routed directly to the display. When a VGA video signal is connected, the video signal will be scaled up to 1920x1200. The DL-AS61 supports stereo and multichannel audio on the HDMI inputs.

DL-AS31-2H1V

3X1 AUTOSWITCHER - 2 HDMI AND 1 VGA INPUT



The **DL-AS31-2H1V** is a multiformat auto-switcher with two HDMI inputs and one VGA with analog audio input, one HDMI output, and one balanced analog audio output. This auto-switcher supports HDMI resolutions up to 4Kx2K at 30 Hz and multichannel audio and VGA video resolutions up to 1920x1200 at 60 Hz. In addition to passing EDID information from the display, there are multiple built-in EDID settings to simplify an installation.

KEY FEATURES

- 2 HDMI and 1 VGA with audio input
- 1 HDMI and stereo audio output
- Built-in audio de-embedding
- VGA Scaling up to 1920x1200
- Integrated CEC control
- Automatic and manual switching via RS232 and contact closure
- Includes under table mounting ears

DL-AS31-2H1DP

3X1AUTO-SWITCH 2 HDMI AND 1 DISPLAYPORT INPUT



The **DL-AS31-2H1DP** is a multiformat auto-switcher with two HDMI inputs and one DisplayPort with analog audio input, one HDMI output, and one balanced analog audio output. This auto-switcher supports HDMI and DisplayPort video resolutions up to 4Kx2K at 30 Hz and multichannel audio. In addition to passing EDID information from the display, there are multiple built-in EDID settings to simplify an installation.

KEY FEATURES

- 2 HDMI & 1 DisplayPort inputs
- 1 HDMI and stereo audio output
- HDMI and DP support 1080p and 4K video with stereo audio
- Built-in EDID settings and EDID pass-through
- Built-in audio de-embedding
- Automatic and manual switching via RS232 and contact closures
- Includes under table mounting ears

DL-AS31-1H1DP1V

3X1 AUTOSWITCHER - UNDER-TABLE.
[1] HDMI, [1] DP, AND [1] VGA



The **DL-AS31-1H1DP1V** is a multiformat auto-switcher with one HDMI input, one DisplayPort with analog audio input, one VGA with analog audio input, one HDMI output, and one balanced analog audio output. This auto-switcher supports HDMI and DisplayPort video resolutions up to 4Kx2K at 30 Hz and multichannel audio and VGA video resolutions up to 1920x1200 at 60 Hz. In addition to passing EDID information from the display, there are multiple built-in EDID settings to simplify an installation.

KEY FEATURES

- 1 HDMI, 1 DisplayPort, & 1 VGA input
- 1 HDMI and stereo audio output
- Built-in audio de-embedding
- Automatic and manual switching via RS232 and contact closure
- Includes under table mounting ears

AS-2H

DUAL HDMI AUTO-SWITCHER WITH HDMI & HDBASET OUTPUT



The Intelix **AS-2H** is an under table mounted switcher designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features two HDMI inputs, 1 HDBaseT output with a mirrored HDMI output. The AS-2H utilizes HDBaseT technology to extend the digital output up to 70 meters. This unit is compatible with all Intelix HDBaseT receivers. The unit features multiple EDID modes to eliminate user confusion, and incompatible video formats.

KEY FEATURES

- Two HDMI inputs
- HDMI and HDBaseT output - 70m Max Distance
- Automatically switches input to active video
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 24V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

AS-1H1V

HDMI/VGA AUTO-SWITCHER WITH VGA SCALING, HDMI & HDBASET OUTPUT



The Intelix **AS-1H1V** is an under table mounted switcher designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features VGA + Audio to HDMI conversion with VGA scaling up to 1920x1200 and an HDMI input. The AS-1H1V utilizes HDBaseT technology to extend the digital output up to 70 meters, and has a mirrored HDMI output. This unit is compatible with all Intelix HDBaseT receivers. The unit features multiple EDID modes to eliminate user confusion, and incompatible video formats.

KEY FEATURES

- HDMI (including audio) and VGA/3.5mm Stereo input
- HDMI and HDBaseT output - 70m Max Distance
- Automatically switches input to active video
- VGA scaling up to 1920x1200
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 24V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

AS-1H1DP

HDMI/DISPLAYPORT AUTO-SWITCHER WITH HDMI & HDBASET OUTPUT



The Intelix **AS-1H1DP** is an under table mounted switcher designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features DisplayPort + Audio to HDMI conversion and an HDMI input. If the DisplayPort signal does not support embedded audio, the analog audio input port can be accessed via RS232. The AS-1H1DP utilizes HDBaseT technology to extend the digital output up to 70 meters. This transmitter device is compatible with all Intelix HDBaseT receivers. The unit features multiple EDID modes to eliminate user confusion, and incompatible video formats.

KEY FEATURES

- HDMI and DisplayPort w/ 3.5mm Stereo input
- HDMI and HDBaseT output - 70m Max Distance
- Automatically switches input to active video
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 24V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

AS-2H-WP-W

AS-2H-WP-B

DUAL HDMI AUTO-SWITCHING WALLPLATE W/ HDBASET OUTPUT



AS-2H-WP-W

AS-2H-WP-B

The Intelix **AS-2H-WP** is a two-gang, Decora-style wallplate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features two HDMI inputs. The AS-2H-WP utilizes HDBaseT technology to extend the digital output up to 70 meters away using solid core shielded Category 5e or greater cable. This transmitter device is compatible with all Intelix HDBaseT receivers.

KEY FEATURES

- Two HDMI inputs
- HDBaseT output - 70m Max Distance
- Automatically switches input to active video
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 12V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

AS-1H1V-WP-W

AS-1H1V-WP-B

HDMI/VGA AUTO-SWITCHING/ SCALING WALLPLATE WITH HDBASET OUTPUT



AS-1H1V-WP-W

AS-1H1V-WP-B

The Intelix **AS-1H1V-WP** is a two-gang, Decora-style wallplate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features VGA + Audio to HDMI conversion with VGA scaling up to 1920x1200 and an HDMI input. The AS-1H1V-WP utilizes HDBaseT technology to extend the digital output up to 70 meters away using solid core shielded Category 5e or greater cable. This transmitter device is compatible with all Intelix HDBaseT receivers.

KEY FEATURES

- HDMI (including audio) and VGA/3.5mm Stereo input
- HDBaseT output - 70m Max Distance
- VGA scaling up to 1920x1200
- Automatically switches input to active video
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 12V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

AS-1H1DP-WP-W

AS-1H1DP-WP-B

HDMI/DISPLAYPORT AUTO-SWITCHING WALLPLATE W/ HDBASET OUTPUT



AS-1H1DP-WP-W

AS-1H1DP-WP-B

The Intelix **AS-1H1DP-WP** is a two-gang, Decora-style wallplate designed to be the primary PC interface for classrooms, boardrooms, and conference centers. It features DisplayPort + Audio to HDMI conversion and an HDMI input. If the DisplayPort signal does not support embedded audio, the analog audio input port can be accessed via RS232. The AS-1H1DP-WP utilizes HDBaseT technology to extend the digital output up to 70 meters away using solid core shielded Category 5e or greater cable. This transmitter device is compatible with all Intelix HDBaseT receivers.

KEY FEATURES

- HDMI and DisplayPort w/ 3.5mm Stereo input
- HDBaseT output - 70m Max Distance
- Automatically switches input to active video
- RS232, Auto, and Dry Contact Closure for control of device
- PoH (Power over HDBaseT) or 12V DC local power
- Display Control Software to control TV or projector with RS232 commands - automatically turns display on/off
- Customizable power management system when not in use

DL-A31

DIGITALINX BRAND BY LIBERTY HDMI 3X1 MATRIX SWITCH



The DigitalInx **DL-A31** is a three input by one output slim HDMI matrix with Ultra HD 4K support. The DL-A31 is HDMI 2.0, HDCP 2.2, and DVI 1.0 compliant. The matrix switcher offers video formats such as 4k/30Hz with 24bit at 4:4:4/ 4:2:2 and up to 4k/60Hz with 12bit at 4:2:0. The DL-A31 can be controlled via IR Remote or front panel. The matrix switcher provides smart auto switching functionality along with a wide range of audio support, LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio.

KEY FEATURES

- 3 HDMI input by 1 HDMI output
- HDMI 2.0, HDCP 2.2, and DVI 1.0 compliant
- Supports 4k/30Hz with 24bit at 4:4:4/ 4:2:2 and up to 4k/60Hz with 12bit at 4:2:0
- Smart auto switching
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio

DL-A51

DIGITALINX BRAND BY LIBERTY HDMI 5X1 MATRIX SWITCH



The DigitalInx **DL-A51** is a five input by one output slim HDMI matrix with Ultra HD 4K support. The DL-A51 is HDMI 2.0, HDCP 2.2, and DVI 1.0 compliant. The matrix switcher offers video formats such as 4k/30Hz with 24bit at 4:4:4/ 4:2:2 and up to 4k/60Hz with 12bit at 4:2:0. The DL-A51 can be controlled via IR Remote or front panel. The matrix switcher provides smart auto switching functionality along with a wide range of audio support, LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio.

KEY FEATURES

- 5 HDMI input by 1 HDMI output
- HDMI 2.0, HDCP 2.2, and DVI 1.0 compliant
- Supports 4k/30Hz with 24bit at 4:4:4/ 4:2:2 and up to 4k/60Hz with 12bit at 4:2:0
- Smart auto switching
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio

DISTRIBUTION AMPLIFIERS / SPLITTERS

HD12S / HD14S / HD18S

1X4, 1X8 HDMI 2.0 DISTRIBUTION AMPLIFIER

The Intelix **HD14S** (1x4) or **HD18S** (1x8) are distribution amplifiers that have an HDMI splitter with HDMI 2.0 and HDCP 2.2. They support data rates up to 18Gbps and resolutions of 4K2K@60Hz (4:2:0). These distribution amplifiers feature EDID management which provides multiple EDID options for various resolutions output and HDCP encryption between all devices, ensuring the HDMI source reliably outputs the correct content for the display.

The Intelix HD14S and HD18S include input cable equalization and signal regeneration compensation, which reduces the need for additional signal conditioning equipment by compensating for signal loss when using long input cables or cascading multiple units.



HD14S



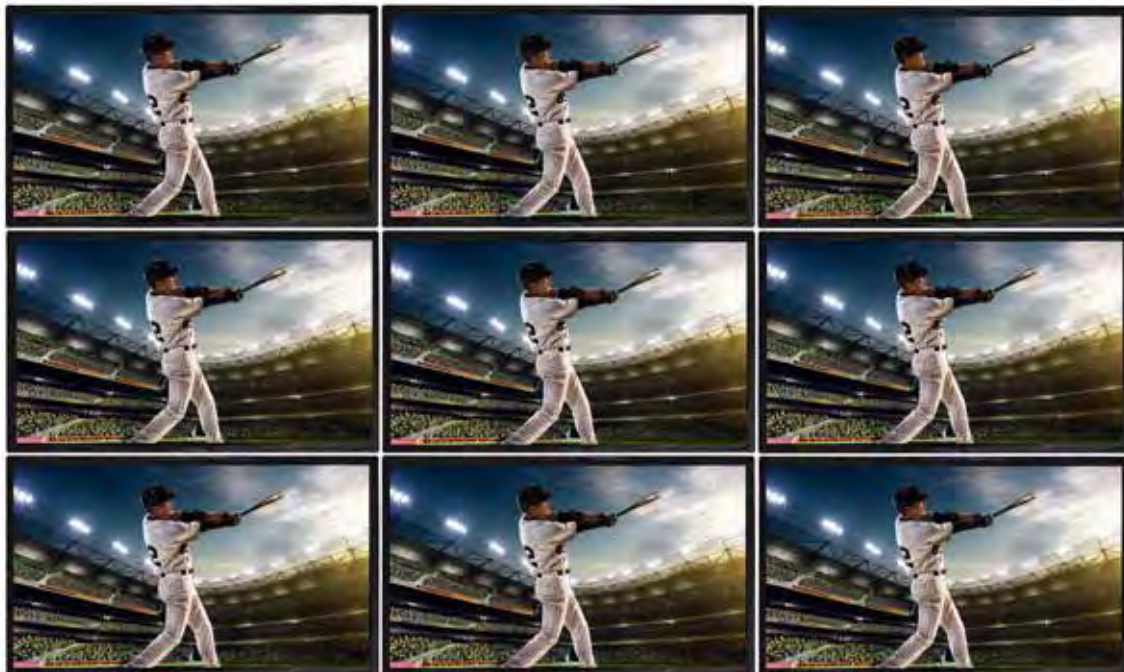
HD18S



18G 4K60 4:4:4

KEY FEATURES

- 1x4 HDMI distribution amplifier/splitter
- 4K, HDMI 2.0, HDCP 2.2 compliant
- Adjustable EDID management
- Field firmware upgradeable
- Locking power supply
- Includes mounting hardware



FLX-64

6 INPUT, 4 OUTPUT HDMI/HDBASET MATRIX SWITCHER AUDIO EMBED/DE-EMBED WITH BREAKAWAY ROUTING



The Intelix **FLX-64** was designed for use in conference rooms that have two in-room inputs extended to the rack, a few local sources at the rack, two discrete displays, a VTC codec & a recorder. The FLX-64 can be controlled via front panel buttons, front panel IR, external IR, remote IR through HDBaseT extenders, RS232 & Ethernet.

KEY FEATURES

- 4 HDMI inputs (2 w/ audio embedding) and 2 HDBaseT Lite inputs w/ PoE
- 4 HDBaseT Lite outputs w/ PoE & 2 mirrored HDMI outputs
- 60 m (200 ft) maximum extender distance
- Audio de-embedding on each output, including breakaway
- Front panel, IR, TCP/IP, and RS232 control
- IR and RS232 routing
- IR and RS232 tunneling over HDBaseT (inputs and outputs)
- Control page and configuration accessible from web browser
- Advanced HDCP management

DL-44E-KIT



4X4 4K HDBT MATRIX SWITCH KITTED WITH 3 HDBASET POE RECEIVERS



The **DL-44E-KIT** is a professional 4K HDBaseT Home Distribution Hub Kit, which consists of a 4K HDBaseT Matrix Switcher, 3 HDBaseT Receivers and accessories. The DL-44E-KIT is a professional 4x4 HDBaseT Matrix Switcher that consists of the following inputs and outputs, 4 HDMI IN (4Kx2K@60Hz signal at max), 3 IR IN, 1 IR EYE, 4 IR OUT, 3 HDBaseT OUT, 1 HDMI OUT, 1 SPDIF OUT, 1 L&R RCA OUT, and TCP/IP, RS232 control port via phoenix connector. The DL-44E-KIT offers manual HDCP management and auto-detecting along with easy installation with rack-mounting design.

The DL-HD70LS-RX is an HDBaseT Receiver that consists of the following inputs and outputs, 1 HDBaseT IN, 1 IR IN, 1 IR OUT and HDMI OUT. The receiver is powered directly by the DL-44E-KIT. All HDMI inputs can be selected by either the front panel buttons, IR, RS232 or GUI. The selected source is delivered to HDBaseT zoned outputs 1-3 & HDMI Output. The DL-44E-KIT is capable of delivering 4K signals up to 40m, 1080p up to 70m and powering the receivers via a single CAT5e cable. It is recommended to use good quality CAT6 cable. The Matrix Switcher supports EDID management and is HDCP 2.2, 1.4 compliant. Audio sources can be selected via RS232 commands and TCP/IP at the Matrix Switcher or by 3rd Party control.

KEY FEATURES

- Four HDMI inputs with 4K & HDCP 2.2 support
- 3 HDBaseT with PoE Outputs
- 1 HDMI Output
- 3 HDBaseT Receivers kitted with the switch
- 70m maximum extender distance
- Analog and digital audio de-embedding on the HDMI output
- Front panel, IR, TCP/IP, and RS232 control
- IR tunneling over HDBaseT
- Control page and configuration accessible from web browser
- Advanced HDCP management

DL-HDM44-SS / DL-HDM66-SS / DL-HDM88-SS

18G 4K60 4:4:4

4X4, 6X6, 8X8 HDMI MATRIX HDMI 2.0, HDCP 2.2 COMPLIANT



DL-HDM44-SS



DL-HDM66-SS



DL-HDM88-SS

The DigitalLinX **DL-HDMxx-SS** series of matrix switchers are available in four, six or eight HDMI outputs with HDCP 2.2 and a full-loading capability 4K@60Hz output for each channel. These switchers feature advanced independent DIP switch for EDID management with HDCP handling, including the ability to turn input HDCP compliance ON and OFF to ensure maximum functionality with a wide range of sources. These matrix switchers can be controlled via front panel buttons, front panel IR, external IR, remote IR, RS232, and Ethernet.

KEY FEATURES

- 4x4 HDMI matrix switching
- 4K, HDMI 2.0, HDCP 2.2 compliant
- Built-in EDID management
- Front panel, IR, RS232, and Ethernet control
- Built-in webserver control
- 1 RU design

PRE-BUILT CONTROL SYSTEM DRIVERS FOR



DL-HDM44-FS / DL-HDM88-FS

4X4, 8X8 HDMI MATRIX WITH SEAMLESS SWITCHING AND SCALING PER OUTPUT UP TO 4K



DL-HDM44-FS



DL-HDM88-FS

The DigitalLinX **DL-HDMxx-FS** series of matrix switchers offer four by four or eight by eight outputs with seamless 4K scaling. These HDMI matrix switchers support up to 4k@30Hz and HDCP2.2. With a high-performance 4K@30Hz video scaler built into each output channel, it easily scales various resolutions to match the best video and picture quality across all displays.

KEY FEATURES

- 4x4 HDMI matrix switching
- Stereo audio de-embedding and outputs per channel
- Scaling up to 4K per channel
- Front panel, IR, RS232, and Ethernet control
- Built-in webserver control
- Fast switching (<1s) with matching or mixed output resolutions
- Built-in EDID management, HDCP 2.2 compliant
- Manageable HDCP compliance

PRE-BUILT CONTROL SYSTEM DRIVERS FOR



INT-44HDX / INT-66HDX / INT-88HDX

4X4, 6x6, 8x8 HDBASET MATRIX SWITCH; 100M, 4K, HDCP 2.2, POH



INT-44HDX



INT-66HDX



INT-88HDX

The Intelix **INT-xxHDX** series is a 4x4, 6x6 or 8x8 output HDBaseT/HDMI matrix switcher with HDCP 2.2 and UHD/30 video support. This series provides HDBaseT twisted pair extension for each output, and simultaneous HDMI on the first two outputs, allowing the same signal to be routed to the HDMI connector and a remote destination with an HDBaseT receiver. The HDBaseT ports support up to UHD/30 HDMI video with audio, bidirectional wide-band IR, matrix control via IR, RS232 tunneling, and HDCP (1.4 and 2.2) up to 100 meters (328 feet). Each HDBaseT output port supplies power to the attached extender, eliminating the need for a power supply at the display end.

KEY FEATURES

- Four HDMI inputs with HDCP 2.2 support
- Four HDBaseT with PoH, with two mirrored HDMI, outputs
- 100 m (328 ft) maximum extender distance
- Analog and digital audio de-embedding on each output
- Front panel, IR, TCP/IP, and RS232 control
- IR and RS232 routing
- IR and RS232 tunneling over HDBaseT
- Control page and configuration accessible from web browser (Web GUI)
- Advanced HDCP management
- UL Certified

PRE-BUILT CONTROL SYSTEM DRIVERS FOR



Match any Intelix HDBaseT receiver with these Matrix Switchers



INT-HD70-RX

HDMI SLIM 70M, POH, IR AND RS232 CONTROL HDBASET EXTENDER - RECEIVER

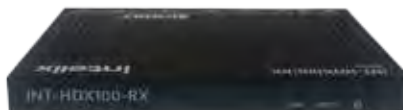
70m Receiver



INT-HDX100-RX

HDMI SLIM 100M, POH, IR AND CONTROL HDBASET EXTENDER - RECEIVER

100m Receiver



DIGI-BSR-4K

HDBASET 4K SCALING RECEIVER W/POE, AUDIO-DE-EMBED

4K Scaling Receiver



AUD-220

2 INPUT AUDIO AMPLIFIER, 2x20W (4 OHM)



The Intelix **AUD-220** is a 2x20 watt Class D amplifier with 8Ω speaker output. The amplifier features two analog audio inputs and a balanced microphone input with ducking functions. Additional features of the AUD-220 include input and microphone volume control, bass and treble adjustments, microphone mixing with source audio, and three modes of microphone input support (48 dB gain, 48 dB gain with 48V phantom power, and line level). The AUD-220 has three methods of control: push button, RS232, and IR with the optional AUD-220-IR accessory kit.

KEY FEATURES

- Two analog audio inputs
- Microphone input with ducking or mixing
- Bass, treble adjustments
- Line input and/or microphone muting
- Stereo, 2x mono, or bridged mono speaker output
- Line level loop output to daisy chain
- Front panel and optional IR control

AUD-340

3 INPUT AUDIO 70/100V AMPLIFIER, 40W



The Intelix **AUD-340** is a 40 watt Class D amplifier with 70V or 100V outputs. The amplifier features two analog audio inputs, one digital audio input, and a balanced microphone input with ducking functions. Additional features of the AUD-340 include input and microphone volume control, bass and treble adjustments, microphone mixing with source audio, and three modes of microphone input support (48 dB gain, 48 dB gain with 48V phantom power, and line level). The AUD-340 has three methods of control: push button, RS232, and IR with the optional AUD-340-IR accessory kit.

KEY FEATURES

- Two analog audio inputs; one digital audio input
- Microphone input with ducking or mixing
- Bass, treble adjustments
- Line input and/or microphone muting
- 70V or 100V output

LB-ICP

LINK BRIDGE CONTROL PROCESSOR



KEY FEATURES

- Easy to install control system processor
- Program entire control system with an easy built-in web GUI
- Features:
 - (2) RS232
 - (2) Relay
 - (2) Digital I/O
 - (1) IR
 - (1) ETHERNET
- Pair with the LB-KP8 keypad for easy and simple push button control system

LB-KP8

LINK BRIDGE RS232 8 BUTTON KEYPAD CONTROLLER



KEY FEATURES

- Single gang decora insert
- RS232 interface
- User configurable buttons with dual color and backlit
- Replaceable button labels
- Pair with the LB-IPC control processor for an easy and simple push button control system

LB-KP8E

LINK BRIDGE 8-BUTTON WALL PLATE W/ INTEGRATED ETHERNET CONTROLLER



KEY FEATURES

- 1-gang wall plate Ethernet controller with 8 buttons
- Comes with relays to control peripheral device on/off
- Available with PoE function or DC power supply selection
- Supports Telnet or WebGUI control
- Supports scheduling control and settings
- Adjustable LED dim light in keypad buttons



DL-UHDILC

IN-LINE HDMI AUTO SENSING ROOM CONTROLLER

18G 4K60 4:4:4



The DigitaLinx **DL-UHDILC** is an HDMI in-line controller that can automate room peripherals and sink devices when a video signal is introduced to the unit. The DL-UHDILC is 4K compatible, supports HDCP version 2.2, has an analog and digital de-embedded audio output and has 15 built in EDID presets that can be adjusted by the rotary dial on the front panel.

When the DL-UHDILC auto-detects an input video signal, the DL-UHDILC will automatically turn a display or projector on either by CEC or by pre-loaded RS232 serial commands. The DL-UHDILC will trigger the first relay port to switch a projector screen or window shade down. When a video signal is no longer present after a specified amount of time, the DL-UHDILC will turn off the display or projector by either CEC or pre-loaded RS232 commands and will trigger the second relay port to switch a projector screen or window shade up.

TECH SPECS

SUPPORTED AUDIO AND VIDEO

Audio Output	(1) S/PDIF (1) Analog
Audio Output Connector	(1) RCA (1) Stereo 3.5mm
Video Inputs	(1) HDMI
Video Input Connector	(1) HDMI type A
Video Output	(1) HDMI
Video Output Connector	(1) HDMI type A
Output Resolution Support	4096x2160; 3840x2160; 1920x1200; 1920x1080; 1680x1050; 1600x1200; 1600x900; 1440x900; 1400x1050; 1366x768; 1360x768; 1280x1024; 1280x960; 1280x800; 1280x768; 1024x768; 800x600
Standards	Compliant with HDMI 1.4 & HDCP2.2

CONTROL

Control Port	(2) RELAY (1) RS232
Control Connector	(2) 3 pin phoenix connector (RELAY) (1) 3 pin phoenix connector (RS232)

KEY FEATURES

- Stand alone unit
- Automates room peripherals when video signal is introduced to system
- Passes HDMI signals up to 18G 4K60 4:4:4
- Built in CEC controller from HDMI out.
- Built in RS232 controller to control display device
- Built in RELAY control for room peripherals such as projector screen or window shade
- De-embeds audio to coax S/PDIF or Stereo
- Switch for EDID Management with 15 EDID presets

ADDITIONAL EXTENDERS / CONVERTERS

DL-HDCP-C

HDCP 2.2 TO 1.4 CONVERTER



The DigitaLinx **DL-HDCP-C** is a 1x1 HDMI converter that features high-definition HDMI transmission and HDCP conversion. The DL-HDCP-C HDMI input supports HDMI 2.0 & HDCP 2.2 along with HDMI output support of HDMI 1.4 & HDCP 1.4. The DL-HDCP-C transmits signal up to 15m with a max resolution support of 4kx2k@60Hz.

KEY FEATURES

- Converts HDCP 2.2 to HDCP 1.4 for integration into legacy systems
- HDMI input and HDMI output
- Compact design

DL-SP

HDMI SURGE PROTECTOR



The DigitaLinx **DL-SP** is an HDMI Surge Protector. The DL-SP is an ideal solution designed to protect HDMI devices against electro-static discharge, surges & spikes from mains, or lightning strikes that cause electrical transients up to 15000 Volts (air) and 8000 Volts (contact).

KEY FEATURES

- Protects the input and output from ESD and lightning surges
- HDMI 1.4 and HDCP compliant
- Meets IEC 61000-4-2, 61000-4-4, and 61000-4-5 surge protection requirements

DL-USB3.0

DIGITALINX 15 M USB 3.0 ACTIVE EXTENSION CABLE



The **DL-USB3.0** is a USB 3.0 active copper cable that offers extension up to 15 meters. The DL-USB3.0 is bus powered from the host PC side and USB 3.0 power connector is available if additional power is required. The DL-USB3.0 supports USB 3.0 throughputs up to 5Gbps, locking USB connector, rugged grade cabling and slot port for convenient cable tie mounting. The DL-USB3.0 supports only USB 3.0 devices. USB 2.0 and 1.1 devices will not function using this extender.



DIGI-FO-USB3.0

USB 3.0 Fiber Optic Extender Set



The Intelix **DIGI-FO-USB3.0** is a two-port USB 3.0 SuperSpeed extension solution, enabling USB 3.0 connections at up to 5 Gbps over 100m/330ft of OM3 multimode fiber optic cable. The DIGI-FO-USB3.0 features two locking USB 3.0 ports delivering 900mA power to each port and a true plug-and-play solution. The DIGI-FO-USB3.0 is not backwards compatible with USB 2.0 and USB 1.1.

KEY FEATURES

- Active USB 3.0 extension up to 100 meters (OM3 MM)
- Supports USB 3.0, not backwards with USB 1.1/2.0
- 2-port hub on client end
- Host-side powered via USB port from host PC
- Includes client-side power supply with locking power connector
- Transparent USB; Plug and Play (no software drivers needed)
- Compatible with all major operating systems



intelix
PROFESSIONAL-GRADE SYSTEM ELECTRONICS

DIGI-HDUSB

HDMI with USB 2.0 100m Extention System

The Intelix **DIGI-HDUSB** extends HDMI & computer USB 2.0 signals up to 100m (330ft) over twisted pair cabling. The DIGI-HDUSB 3-port USB/video extender system supports full uncompressed HD video & USB 2.0 (up to 30Mbps) suitable for video applications in conjunction with keyboards, mice & USB 1.1 web cameras. The DIGI-HDUSB supports HDMI video features such as 1080p, 4K, deep color & CEC/HDCP pass-through. The DIGI-HDUSB supports both USB 1.1 & 2.0 devices.



KEY FEATURES

- Extension up to 100m over CAT5e or greater cable
- Supports both USB 1.1 & 2.0 signals up to 30Mbps
- HDMI supports 1080p, 3D & 4K
- CEC/HDCP pass through
- Plug-and-Play feature, no drivers required
- Powered on both transmitter & receiver

DIGI-USB2-4P

USB 2.0 4-port Extension System



The Intelix **DIGI-USB2-4P** extends computer USB 1.1 signals up to 100m (330ft) over twisted pair cabling to four remote devices. The DIGI-USB2-4P utilizes inexpensive twisted pair cabling & has a throughput of up to 480Mbps.

The DIGI-USB2-4P is perfect for keyboard & mouse extension, remote data ports, up to 4 USB hubs, security applications & interactive white board applications.

KEY FEATURES

- Extension up to 100m over Cat 5e/Cat 6
- Supports USB 1.1 and 2.0 signals up to 480Mbps
- Integrated 4-port USB hub
- Plug-and-play, no drivers required
- Powered on port (client) end

NR-10

SMALL FORM FACTOR GIGABIT ROUTER, 1GB WAN, INTEGRATED 4 PORT GB SWITCH WITH POE+



The **NR-10** is a 4 Gigabit PSE (Power Source Equipment) LAN ports & 1 Gigabit (Powered Device) WAN port PoE+ NAT router that is designed for small or medium network environment. The compact size of the product makes it the ideal router where space is limited. The NR-10 features 4-port PoE+ IEEE 802.3at supplying up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. By adding a NR-10 to an existing network, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore. When connected with a PSE to its PD WAN port, the NR-10 can be powered without its external power adaptor, therefore eliminating the need to find a power outlet for the router.

TECH SPECS

SYSTEM CAPACITY & PERFORMANCE

Processor	880 MHz, Dual-Core
L2 Cache	256 KB L2 Cache shared by Dual-Core

INTERFACE

10M/100M/1000M RJ45 PSE LAN Ports	4
10M/100M/1000M RJ45 PD WAN Ports	1

KEY FEATURES

- Gigabit LAN PSE ports & 1 Gigabit WAN PD port PoE+ Gateway
- 1 Gigabit WAN PD Port that allows NR-10 acquiring power from a PSE.
- 4 Gigabit LAN PSE Ports that support IEEE 802.3af/at PoE, providing up to 30W per port
- Supports IEEE 802.3az EEE (Energy Efficient Ethernet), save power while network traffic isn't busy
- Supports voice VLAN
- Management features such as Max/Min Bandwidth Control, QoS, Broadcast/Multicast/Unknown Frames Storm Control

NRS5FP

NIVEO 4 PORT + UPLINK POE NETWORK SWITCH



KEY FEATURES

- PoE+ (IEEE 802.3af/at (Type 1) on 4 downlink ports
- Uplink port
- 1 Gbps backplane bandwidth
- Total PoE Power Budget: 60w
- 10/100 Mbps bandwidth per port (including uplink)

NRS8FP

NIVEO 8 PORT + UPLINK POE NETWORK SWITCH



KEY FEATURES

- PoE+ (IEEE 802.3af/at (Type 1) on 8 downlink ports
- Uplink port
- 1.8 Gbps backplane bandwidth
- Total PoE Power Budget: 120w
- 10/100 Mbps bandwidth per port (including uplink)

NWA200

**IN-WALL LOW PROFILE
FAT ACCESS POINT**



KEY FEATURES

- In-wall WAP with RJ45/USB Power/RJ11 Connectivity
- 2.4 GHz, 802.3af PoE, max power 9W, transmit 18dbm
- Inconspicuous design for residential/commercial installs
- 2 3dbi omni-directional antennas
- Multiple SSID
- Dual Power, DC or PoE power

NWA300

**11AC 1200MBPS MANAGEABLE
POE CEILING WIRELESS AP**



KEY FEATURES

- Speed up to 1200 Mbps
- Ultra thin, low profile design
- Very easy, intuitive setup
- PoE or DC powered
- Stand-alone, controller managed or cloud managed
- Zero Gap Roaming

NWAC7000

WIRELESS AP ACCESS CONTROLLER



KEY FEATURES

- Wireless Access Point Management
- Auto-IP detection and assignment
- NWAC7000 can set AP's SSID, Password, channel at the same time
- Real Time Monitor and Analyze
- Support Web management and Web Remote Management

NPI-H1

**NIVEO PROFESSIONAL GIGABIT
POE POWER INJECTOR**



KEY FEATURES

- Up to 30W of PoE Power
- IEEE 802.3at Compliant
- Compatible with IEEE 802.3af or legacy PoE applications
- Safe on low power devices only power they need
- Safe and reliable power to WLAN access points
- Automatic detection and protection safety LAN ports
- Supports 10/100/1000Base-T LAN environment
- Desktop, shelf and wall mounting

Front and Rear Port Facing Switches Matrix

Model	Image	Number of Gb Ports	Management	PoE+ Budget	1Gb SFP-Ports	10Gb SFP-Ports	1Gb SFP - Ports Stackable	Port Facing
NRSFP		4 FE	-	60W	-	-	-	Front
NRS8FP		8 FE	-	120W	-	-	-	Front
NGSE8H		8	-	130W	-	-	-	Front
NGSME8H		8	Full Layer L2+	130W	2	-	-	Front
NGS16TP		16	-	-	-	-	-	Front
NGSME16T2H		16	Full Layer L2+	250W	2	-	-	Front
NGS18T16		16	Web Smart Management	-	18	-	-	Front
NGS24TP		24	-	-	-	-	-	Front
NGSM24T2		24	Full Layer L2+	-	2	-	-	Front
NGSME24T2H		24	Full Layer L2+	430W	2	-	-	Front
NGSM24G4S		24	Full Layer L2+/Stackable	-	-	2	2	Front
NGSME24G4S		24	Full Layer L2+/Stackable	430W	-	2	2	Front
NGSM48T2		48	Full Layer L2+	-	-	2	-	Front
NGSME48T2H		48	Full Layer L2+	430W	-	2	-	Front
NGSE8H-AV		8	-	130W	-	-	-	Rear
NGSME16T2H-AV		16	Full Layer L2+	250W	2	-	2	Rear
NGSM24T2-AV		24	Full Layer L2+	-	2	-	2	Rear
NGSME24T2H-AV		24	Full Layer L2+	430W	2	-	2	Rear
N10GSW4T14		18	Web Smart Management	-	4	14	14	Front
N10GSM1T24		25	Web Smart Management	-	1	24	24	Front
N10GSM4QT48		48	L3	-	-	48	48	

PixiePlus System

PXE-DCM+: PixiePlus - Single-Gang IR/RS2323 control system for AV systems



- 8-button Display Control Module
- Single-gang decora form factor
- Learns IR codes from almost any remote
- Unique modular design allows for control of Power, Source, Volume and more
- Elegant backlit LEDs in a variety of colors
- A single button may be programmed with multiple remote codes
- Learns IR codes from almost any remote using a paper clip
- Decora faceplate available in: white, ivory, grey, and black

PXE-DCM+Amber; PXE-DCM+Green: PixiePlus 8 Button Control Module - Amber and Green



- PixiePlus Device Control Module 8-Buttons
- Simple, standardized control interface for AV devices
- White Background with Amber or Green backlit buttons
- Wall mounted Single Gang Decora style faceplate

PXE-PGM-TOOL: PixiePlus Programming Wand



- Connects via IR interface and allows for RS232 control
- Eliminates the need to remove the controller from the wall to program
- Connects to a PC via USB and contains an application for more complex configurations, including specifying RS232 strings
- Ability to clone commands to other PixiePlus controllers

PXE-MOTVOL-CTL-A; PXE-MOTVOL-CTL-L: PixiePlus Motorized Volume Control - Audio and Linear



- Passive 10K ohm stereo motorized potentiometer (Audio Taper)
- Powered from the PXE-DCM+
- Directly attenuates unbalanced stereo line level signals
- For controlling Audio Amplifiers without IR/RS232 control
- Can be placed in an audio chain between a mixer/switcher/preamp and an amplifier
- Linear version allows the PixiePlus to control an amplifier that otherwise has no control.

PXE-BIK50: PixiePlus Basic Install Kit



- 50 ft 22 AWG 3 conductor plenum pre-stripped cable
- 1 single gang Decora Plate, 1 surface mount box
- 1 single gang mounting bracket
- Quick install kit for labor saving and efficiency

PixiePlus Accessories: Accessories for the Pixie Plus Control Module



- **PXE-EMIT-232/IR:** RS232 and IR Emitter
- **PXE-EMIT-REL2:** 2-Relay Output Emitter
- **PXE-DCM-RTC:** Real Time Clock Module
- **PXE-DCM-CATS-ADAPTOR:** Phoenix-to-CATS Adaptor
- **PXE-DCM-EMIT-CATS-232/IR:** RS232 and IR Emitter with CAT5 Jack
- Alternate 2 and 4 source buttons available

PXE-PL-BL: PixiePlus Tabletop Enclosure Black



- Tabletop standalone enclosure
- For PXE-DCM+ Panel Single Gang
- Stylish Black Acrylic in a pleasing format
- Angles for presentation and ease of access

PXE-RACK: PixiePlus 3RU Rack Mount



- Rack Mount Kit to mount the PXE-DCM+
- Black Finish
- 3RU height

PX2-MP-IR: Pixie Pro Control Module



- Robust IR learning with 16 macros or round-robin commands per button
- Security enable/disable feature allows the panel to be configured with a security entrance code to prevent unauthorized use
- Configurable inactivity shutdown timer
- Up to 8 input sources
- All blanks and labeling legend included
- Easy to configure, customize, and use

PX2-NRC-1142: PixiePro (NRC) Networked Room Controller (1 RS232, 4 Relay, 2 Input)



- One bidirectional RS-232 control port, one infrared (IR) control port, four low-voltage relays for screens or lifts, and two general purpose sense ports for security and theft detection
- Includes adapters for common pinouts of 9-pin or 15-pin D-Sub S-232 control ports on most modern display devices
- Configured through an AJAX-powered web interface
- Expandable for virtually any room configuration and any budget

PX2-PUC-232/IR: NRC Control Puck (1 RS232 and 1 IR)



- One RS-232 port and one IR port
- Ability to expand the (NRC) Networked Room Controller by daisy chaining up to 15 control pucks using CAT5 cabling.
- Small form factor, allowing for remote installation anywhere

PX2-PUC-IR-4: NRC Control Puck (4 IR)



- Four IR out
- Ability to expand the (NRC) Networked Room Controller by daisy chaining up to 15 control pucks using CAT5 cabling. Small form factor, allowing for remote installation anywhere

PX2-PUC-REL-4: NRC Control Puck (4 Relay)



- Four low-voltage relays
- Ability to expand the (NRC) Networked Room Controller by daisy chaining up to 15 control pucks using CAT5 cabling.
- Small form factor, allowing for remote installation anywhere

PX2-PUC-MOTVOL-CTL-A and PX2-PUC-MOTVOL-CTL-L: Motorized Volume Control Puck - Audio and Linear for us with NRC



- 10K Ohm stereo motorized potentiometer (Audio Taper)
- Powered from the PX2-NRC-1142
- Directly attenuates unbalanced stereo line level signals
- For controlling Audio Amplifiers without IR/RS232 control

PixiePro Family

PixiePro Family Accessories: PixiePro IR Emitter / IR Emitter Hood / Splitter



- **PXE-EMIT:** 6 Volt IR Emitter for the PixiePro and PixiePlus. 3 Wire format use 18 through 22 2C shielded cable. Connects to the PCE-DCM+. This is for use with IR only on the PixiePor. The PixiePlus uses the PXE-EMIT-232/IR type emitter
- **PXE-EMIT-HOOD:** Used with PXE-EMIT and PXE-EMIT-232/IR as a protective covering hood to cover and secure IR emitter
- **PX2-SPBUS-2WAY:** PixiePro NRC BUS Splitter 2-Way. Increases the amount of controlled equipment

PX2-PL-WH: PixiePro Tabletop Enclosure White



- Tabletop standalone enclosure
- For PX2-MP-IR Panel Four Gang size
- Stylish White Acrylic in a pleasing format
- Angled for presentation and ease of access

PX2-RACK and PX2-RACK-MOD: Rack Mount Kits



- **PX2-RACK:** Rack Mount Kit for the PixiePro Line. 3 Rack Unit height. Black.
- **PX2-RACK-MOD:** Rack Mount Kit for the SP2-SMCHAS. Includes Cut outs for 2 Mini Modules/ 3 Rack Unit height. Black.

SmartPanel Systems	<p>SP2-SMCHAS: Mini SmartPanel Control System</p>  <ul style="list-style-type: none"> • Small Profile Chassis for ease of mounting and location • Simple intuitive Projector/Display Control • No Programming needed, simply configure • Control Audio/Video, contact closure for screens and lifts • Available in: Black, White, Blue, Gold, Red, Grey <i>(added charge)</i> 	<p>SP3-TCM+: Transport Control Module (for DVD Players, VCRs, etc.)</p>  <ul style="list-style-type: none"> • TCM for extending the SmartPanel Control System • Standard and extended control features for sources • Can learn IR codes direct or clone from another TCM • Control up to 5 devices 	<p>SP3-TCM+1GANG-BL: Standalone Transport Control Module (Black)</p>  <ul style="list-style-type: none"> • TCM for extending the SmartPanel Control System • Standard and extended control features for sources • Can learn IR codes direct or clone from another TCM • Also available in Grey
	<p>SP2-AFVP-EXT: AFVP Extender</p>  <ul style="list-style-type: none"> • Twisted Pair Extender Audio over Category Cable • Extend connection between SmartPanel and SP3-AFVP+ • Extend up to 50 feet with standard Category Cable 	<p>SP2-CSB; SP2-BSB: SmartPanel Button Sets</p>  <ul style="list-style-type: none"> • SP2-CSB: Replacement SmartPanel Buttons; Full Replacement set of selection buttons • SP2-BSB: Replacement SmartPanel Buttons; set of 4 	<p>SP2-SMWE-B; SP3-SMPL-B; SP3-TCM+STD-BL: SmartPanel Enclosures</p>  <ul style="list-style-type: none"> • SP2-SMCHAS Wood Enclosure • SP2-SMCHAS Poly Enclosure • SP3-TCM+STD-BL: Transport Control Module Tabletop Enclosure • For desktop or tabletop mounting
	<p>SP2-RACKSM; SP2-RACKSM-MOD: Rack Mount Kits</p>  <ul style="list-style-type: none"> • SP2-SMCHAS: Rack Mount Kit • SP2-SMCHAS: 2 Ru Rack Mount • Standard 19" Rack size 	<p>SmartPanel Accessories: Accessories for SmartPanel</p>  <ul style="list-style-type: none"> • SP2-ETH-M100: Lucent M100 Series CAT5 Jack • SP2-SMMR: Mud Ring For SP2-SMCHAS • SP2-SMAP-BL: SmartPanel Mini 5G Adapter Plate 	
	<p>AmpLinc Hub: 65W Speaker Distribution Hub for AmpLinc Amp 10</p>  <ul style="list-style-type: none"> • Audio Distribution hub over Category Cable • 60 watts from 2 to 60 amplifier pucks • Small and scalable • 3.5TRS or 2 RCA input and 4 RJ45 output 	<p>AmpLinc Hub-90W: 90W Speaker Distribution Hub for AmpLinc Amp 10</p>  <ul style="list-style-type: none"> • Audio Distribution hub over Category Cable • 90 watts permits 8 10W AmpLINC PUCS • Small and scalable • 3.5TRS or 2 RCA input and 4 RJ45 output 	<p>AmpLinc Amp10: AmpLinc Amp10 Remote Speaker Control Puck</p>  <ul style="list-style-type: none"> • Remote Amplifier device for 4/8 Ohm speakers • Control and Power with Category Cable • Tap power from 0.3-10 watts • 1 to 60 units can be daisy chained • For use with the AmpLinc Hub and AmpLinc Hub-90W
	<p>SP3-AFVP+: Audio Follow Video Preamp Plus</p>  <ul style="list-style-type: none"> • Audio Follow Video preamp addition for SmartPanel or NRC • 5 Video CH with 5 L/R unbalanced Audio Channels • Fully adjustable gain (10dB), bass, and treble • Superior audio over built in projector speakers • Compatible with other OEM RS-232 control systems 	<p>SP-BSSIN-W: 5.25" 2-way Bookshelf Speaker Pair</p>  <ul style="list-style-type: none"> • 5.25" 2-way speaker system • 90 dB @ 1w/m frequency response • 200 Hz - 20 KHz frequency range • 8 ohms impedance • 250 watts max power handling 	<p>SP-ICES: 4" Aimable Enclosed Ceiling Speaker (Single)</p>  <ul style="list-style-type: none"> • 4" Co-Axial Speaker • 160hms nominal impedance • 100 Hz - 20 KHz frequency range • 90dB @ 1w/1m sensitivity • 25 watts max power handling
	<p>SLB-SBOX II: SmartBox II Secure Equipment Enclosure</p>  <ul style="list-style-type: none"> • Secure and vented, locking storage box for AV & IT equipment • Removable tray where equipment is mounted that slides into the main frame of the box • Removable lid with key lock and now screws • Flexible mounting options for wall, ceiling, or projector pole mount • Two cable exit holes for standard voltage • Optional cable cover and adjustable pole mount 	<p>SLB-Box+: SmartBox+ Flip-Down Equipment/Control Enclosure</p>  <ul style="list-style-type: none"> • Wall mounted SmartBox enclosure with flip down tray black • Equipment space for Blu-Ray/DVD player • Flat surface for laptop or other portable media source • SP2-SMCHAS mounting feature for control integration • Amplifier mounting and patching module features built in • Available white, black or custom color 	<p>Mini Modules: Patch Modules for the SLB-SBOX+</p>  <ul style="list-style-type: none"> • AUXILIARY Audio Enable Switch • Blank • Escutcheon and Dual Panduit • HDMI • RS232 • S-Video Pass-thru • VGA and VGA out • Video on BNC and on RCA • Keylock
<p>SLB-1050B: Slide-Out Drawer for SP2-SMCHAS</p>  <ul style="list-style-type: none"> • SmartDrawer for SP2-SMCHAS mounting • Under Desk or under Table mounting of AV Controls • Black finish, low profile • Can accommodate the SP3-AFVP+ Preamp • Includes ports for four Mini Modules 	<p>SLB-SBOX 100W-WH; SLB-SBOX 70V-WH; SLB-SBOX 50W-WH: Smart-Box+ Speaker Amplifiers</p>  <ul style="list-style-type: none"> • Designed to fit into the SLB-Box+ enclosures • Easy match to the SP3-AFVP+ audio follow video preamp • 120V convenience AC Outlet for Laptop power included • SLB-SBOX 100W-WH: 100 Watt Stereo Audio Amp; 100 Watts per channel, for use with 4 or 8 ohm speakers • SLB-SBOX 70V-WH: 100 Watt 70V Mono Audio Amp; 100 Watt 70 Volt Single Mono Channel • SLB-SBOX 50W-WH: 50W SmartBox Amp • Available in black 	<p>SmartBox Accessories: Accessories for SmartBox+</p>  <ul style="list-style-type: none"> • SLB-SBOX 1GANG - Pixie Face Cover • SLB-SBOX FACE - Blank Face Cover • SLB-SBOX MINIFACE - Modular Face Cover • SLB-SBOX 1GANG-WH - PixiePlus Face Cover. Also available in black. • SLB-SBOX PX2 - PixiePro Face Cover • SLB-SBOX PX2-BL-RM: Reverse mount for added security. (Black only.) 	

FLEXBOX-WH

FLEXIBLE A/V SOLUTIONS ENCLOSURE SYSTEM



Patent pending removable tray for easy assembly and maintenance



UL 2043 compliant for Plenum installations.

FLEXBOX Benefits:

- The ability to custom brand this enclosure solution
- Ability to exchange parts or customize our solution to meet your customers specific needs, giving you an advantage over off the shelf solutions
- Allows to write custom specifications for these solutions
- Our solutions give you the flexibility of providing systems with a teacher/ microphone option or without
- All systems can be implemented into LIS (Liberty Inventory Services). We can have safety stock in LIS for field swappable systems as a backup
- If you have deployments in other cities, we will be able to leverage WESCO facilities for warehousing accommodations if needed

FLEXBOX Features:

The equipment enclosure has a sliding slotted shelf that requires no hardware or screws to secure it. The box can be populated with a number of devices on the slotted shelf with room for miscellaneous cables and power supplies conveniently tucked away. Equipment can be mounted using cable ties, velcro or via self-tapping screws into the sliding shelf. Since the shelf is secure when in place, the enclosure can be mounted upside down allowing for easy service access to equipment once installed.

- Lightweight construction
- Vented design construction uses natural convection for cooling
- Install flexibility: above ceiling without relying on T-Bar placement; below the ceiling; pole mounted; or wall mounted
- Custom kitting to include enclosure with pre-installed equipment specifically designed with custom part number to create unique specification and protect your intellectual property
- Systems can be pre-assembled for large deployments
- Systems can be pre-configured for plug and play installations
- Secure key lock removable lid provides easy access to internal equipment

PRE-LOADED FLEXBOX OPTION PACKAGE

DESCRIPTION/LOCATION	MANUFACTURER	PART NUMBER	QUANTITY
Control processor with Doceri™ software support	SP Controls	PX2-NRC-1142	1
Wall-mount control panel	SP Controls	PX2-MP-IR	1
Internal wiring	SP Controls	PX2-PUC-232/IR	2
Mounting hardware	SP Controls	SLB-SBOX2	1
Local source wall plate	Broadata	LBC-H/V-T-WP	1
HDBaseT receiver	Broadata	LBC-HDBT-R-LITE	1
Digital switcher	Digitalinx	DL-S41	1
Audio amplifier	Intelix	AUD-220	1
Internal wiring	Liberty	E-3.5SM-M-3	1
Ceiling speakers	Atlas	FAP42T	1

BYOD-HUB-UT

BYOD CONNECTION HUB - 6 INPUT TO HDMI AUTO-SWITCHER AND CONVERTER



The Digitalinx **BYOD-PUCK** is a multiformat video converter to connect mobile devices with the following outputs: HDMI, mini DisplayPort, micro USB, Lightning, and USB type C.

Video Compliance	HDMI 1.4 and HDCP 1.4
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio

CHASSIS AND ENVIRONMENTAL

Construction	Black ABS
Dimensions (H x W x D)	25 mm x 100 mm x 100 mm (0.98 in x 3.94 in x 3.94 in)
Input Cable Length	300 mm (11.81 in)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

POWER AND REGULATORY

Power Input	12V DC 2A
Power Output	5V DC 2.1A (Lightning, micro USB, and USB Type C)
Power Consumption	18 watts when powering mobile device
ESD Protection	15kV air, 8kV contact
Regulatory	FCC, CE, RoHS

OTHER

Warranty	2 years
Diagnostic Indicators	Power
Included Accessories: Installation Guide, Power Supply,	

TECH SPECS

INPUT/OUTPUT CONNECTIONS

Input Cables	One (1) HDMI Type A Plug, One (1) Micro USB Type B Plug, Two (2) USB Type C Plugs (MHL and Mac), One (1) Mini DisplayPort Plug, One (1) Lightning Plug
HDMI Output	One (1) HDMI Type A Receptacle
Security	One (1) Kensington Lock Slot
Power	One (1) 5.5 mm OD, 2.6 mm ID Threaded Barrel

SUPPORTED AUDIO, VIDEO AND CONTROL

Input Video Resolutions	HDMI: Up to UHD/30 Micro USB: Up to 1080p/30 Lightning: Up to 1080p/60 USB Type C (MHL): Up to 1080p/60 USB Type C (Mac): Up to UHD/30 Mini Display Port: Up to UHD/30
Output Video Resolutions	SMPTE: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, UHD/30 VESA: Resolutions up to 1920x1200. Color Depth: 24, 30, 36, 48bit



TRB-2V1AD / TSPB-2V1AD / TDPB-2V1AD

ROUND TABLE BOX AV+N W/LID BLK



TRB-2V1AD

TECH SPECS

PORTS	1 HDMI connector, 1 15-pin HD connector, 1 3.5mm mini jack, 1 RJ-45 connector
OPERATING TEMPERATURE	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE	-40° to +70°C (-49° to 158°F)
HUMIDITY	10% to 90%, RHL non-condensing
POWER SOURCE	AC power limits: 115V AC, 50/60Hz, 5A Max
FUSE RATING	T 6.3A 250V
DIMENSIONS	10.5cm x 16cm (4.1" x 6.3") Diameter, H
WEIGHT	0.85kg (1.9lbs) approx. 1.2kg (2.6lbs) approx. with mounting brackets
INCLUDED ACCESSORIES	Six self-locking ties



TSPB-2V1AD

TECH SPECS

PORTS	1 HDMI connector, 1 Ethernet RJ-45 connector, 1 15-pin HD connector, 1 3.5mm mini jack
POWER SOURCE	100-240V AC, 50/60Hz, 5A Maximum 5A per power outlet
FUSE RATING	T 6.3A 250V
OPERATING TEMPERATURE RANGE	+5 to +45 Deg. Centigrade
OPERATING HUMIDITY RANGE	10 to 90% RHL, non-condensing
STORAGE TEMPERATURE RANGE	-20 to +70Deg. C.
STORAGE HUMIDITY RANGE	5 to 95% RHL, non-condensing
DIMENSIONS	Including the outer rim: 14.5cm x 13.2cm x 17.3cm (5.71" x 5.2" x 6.81") W, D, H, Without the outer rim: 13.3cm x 12.0cm x 17.3cm (5.24" x 4.72" x 6.81") W, D, H
WEIGHT	0.85kg (1.87lbs) approx. , 1.2kg (2.65lbs) approx. with mounting brackets 1.4 kg (3.1lbs) approx. packed product
ACCESSORIES	Cut out metal template
OPTIONS	Power socket kits, power cord



TDPB-2V1AD

TECH SPECS

PORTS	2 HDMI connector, 2 Ethernet RJ-45 connector, 2 15-pin HD connector, 2 3.5mm mini jack
POWER SOURCE	AC power limits: 100-125V AC, 50/60Hz, 5A Maximum 5A per power outlet
FUSE RATING	T 6.3A 250V
OPERATING TEMPERATURE	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE	-40° to +70°C (-40° to 158°F)
HUMIDITY	10% to 90%, RHL non-condensing
DIMENSIONS	Including the outer rim: 28.5cm x 14.0cm x 16.5cm (11.2" x 5.5" x 6.5") W, D, H. Without the outer rim: 26.5cm x 12.0cm x 16.0 cm (10.4" x 4.7" x 6.3") W, D, H
WEIGHT	1.64kg (3.6lbs) approx., 1.88kg (4.1lbs) approx. with mounting clamps, 2.26kg (5lbs) approx. packed product
ACCESSORIES	Cut out metal template
OPTIONS	Power socket kits, power cord

HDPMM** HDMI PREMIUM 18.0G

HDMI PREMIUM® CERTIFIED CABLE ASSEMBLY



KEY FEATURES

- HDMI Premium® full 18G Certified
- Full ATC Certification
- High retention HDMI plugs
- UL/CSA listed for in-wall use
- Convenient cable lengths

Liberty's **HDPMM** Series are our full ATC certified HDMI Premium® rated cables. The newest HDMI cable specification is for 18G applications. 4K@60Hz with full Chroma sampling 4:4:4 and the newest High Dynamic Range (HDR) requirements. This line of HDMI® cables supports every single HDMI requirements for cables and signal transport. These are completely traceable per the new HDMI requirements for the Premium certification.

The HDPMM series is robustly constructed with tinned annealed copper conductors on the shielded TMDs pairs. The overall cable is dual shielded with a full coverage foil shield and an 85% coverage braided shield. Unlike many cables on the market, the connectors feature full shielding over the solder joints instead of drain wire under a pre-mold. These cables are fully shielded from connector shroud to connector shroud. All contact surfaces are gold plated for conductivity, durability, and resistance to tarnish. The high retention connectors increase the standard HDMI holding force up to 10 lbs. The jacketing is non-glossy extra flexible PVC for more flexibility in bending and routing in Residential and light commercial applications.

Lengths from 15 to 24 feet long are passive cables. There are no equalization chipsets and directional requirements on these lengths. These HDMI Premium® cables feature UL ratings on the bulk cable for CMG and Canadian CMG FT4, this is permissible for concealed installations per the requirements of the National Electric Code®. The product is Compliant to the requirements of the EU RoHS-2 2011/65/EU standard.

TECH SPECS

INPUT/OUTPUT CONNECTIONS

HDMI	Male HDMI Type A connector
------	----------------------------

HDMI SUPPORTED VIDEO, AUDIO AND ETHERNET

HDMI Maximum Video Compatibility	4K@60Hz 4:4:4 up to 3m, HDR Support
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to 32 Audio Channels and up to 1536 KHz Audio Sampling
Minimum Bandwidth	18.0 Gbps
Ethernet	100 Mbps

CABLE CONSTRUCTION

HDMI Connector Features	HDMI "A" Male with up to 10 lbs high retention feature, gold plated
HDMI Molded Hood Construction	Copper Foil Shielded Pre-mold with PVC over mold. Over mold is two phase black with a gray nose

HDMI Molded Hood Dimensions	20.0x41x11.2mm
Jacket Material	Flexible Flame rated PVC with a matte black finish
Maximum Tensile Load	44Lbs 20Kg
Available Cable Lengths	15, 20, and 24 feet

ENVIRONMENTAL REQUIREMENTS

Operating Temperature	0° to +75° C (+32° to +167° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-20° to +80° C (0° to +176° F)

POWER AND REGULATORY

Regulatory	NEC CMG, CEC CMG FT4, EU RoHS-2 2011/65/EU Compliant
HDMI®	HDMI Premium® Certified

Check the website for specific product physical specifications

HDMI SOLUTIONS

- WIDE SELECTION
- UL, CSA & ROHS
- HIGH QUALITY PRODUCT
- COMPETITIVE PRICING
- ECONOMY & PREMIUM LEVELS
- HIGH SPEED HDMI®
- COPPER & FIBER VERSIONS
- PLENUM, NON-PLENUM & AWM RATED

	<p>HDPMM SERIES PREMIUM HIGH SPEED HDMI CABLES WITH ETHERNET</p> <ul style="list-style-type: none"> • Premium High Speed HDMI Cables with Ethernet • Full 18 Gig 4K@60Hz and HDR Certified by HDMI ATC • Supports Ethernet, ARC, CEC, and all HDMI Audio formats 	<p>COMMERCIAL AND RESIDENTIAL HDMI CONNECTIVITY</p> <ul style="list-style-type: none"> • All lengths rated for 18.0 Gbps • NEC CM, CEC CMG FT4, RoHS/REACH Compliant • Full traceable HDMI Premium serialized • Lengths 3, 6, 10, 15, 20 and 24 feet 	<p>BEST</p>
	<p>E2-HDSEM-M SERIES LIBERTY E2 HIGH SPEED HDMI WITH ETHERNET</p> <ul style="list-style-type: none"> • 28 & 26 AWG TMDs pairs • Low profile molded head • High retention plugs up to 12 lbs • CL2 & CMG FT4 rated, RoHS compliant • 5m & up feature RedMere® Chipsets 	<p>COMMERCIAL GRADE</p> <ul style="list-style-type: none"> • 5m & longer are directional • 10.2 Gbps, 4k video, all HDMI® audio formats • Supports CEC, audio return & Ethernet • Lengths from ½ to 20m • Black with blue molded heads 	<p>BETTER</p>
	<p>M2-HDSEM-M SERIES LIBERTY M2 HIGH SPEED HDMI WITH ETHERNET</p> <ul style="list-style-type: none"> • 30 AWG copper TMDs pairs • Super low profile molded heads • High retention plugs up to 12 lbs • AWM rated, RoHS compliant 	<p>PERFECT FOR PATCHING CABLES IN RACKS</p> <ul style="list-style-type: none"> • Up to 8ft, 10.2 Gbps, up to 15ft 5.0 Gbps • Supports CEC, audio return & Ethernet • Available in 1,2,3,4,5,6,8,10,12 & 15ft • Ultra flexible black with black molded heads 	<p>BETTER</p>
	<p>E-MHDM-M SERIES LIBERTY HIGH SPEED MICRO HEAD HDMI WITH ETHERNET</p> <ul style="list-style-type: none"> • HDMI® "A" male to "A" male connectivity • Ultra small flexible diameter cable 3.6mm in diameter • Flexible polyvinyl chloride jacket • AWM rated, RoHS compliant 	<p>MAXIMUM FLEXIBILITY PERFORMANCE</p> <ul style="list-style-type: none"> • ATC certified HDMI® high speed with Ethernet • 10.2 Gbps / 4k x 2k / 3D / CEC • Lengths 2m & longer are directional • 4m length does not support Ethernet 	<p>GOOD</p>
	<p>Z100HDE SERIES LIBERTY HIGH SPEED HDMI WITH ETHERNET</p> <ul style="list-style-type: none"> • 28 AWG copper TMDs pairs • Economy public mold design • AWM rated, RoHS compliant • 10.2 Gbps, 4k video, all HDMI® audio formats 	<p>IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS</p> <ul style="list-style-type: none"> • Supports CEC, audio return & Ethernet • Available in 3, 6, 10, 15 & 25ft lengths • Quantity discounts • Black 	<p>VALUE</p>
	<p>P-HDM-M SERIES LIBERTY PLENUM HDMI WITH ETHERNET</p> <ul style="list-style-type: none"> • 24 AWG copper TMDs pairs • Super low profile molded heads • CMP FT6 rated, RoHS compliant • 8m high speed HDMI® with Ethernet • 10 & 12m passive standard HDMI® 	<p>PLENUM RATED COMMERCIAL GRADE</p> <ul style="list-style-type: none"> • 15m & longer feature RedMere® Chipsets • 15m & longer are directional • Supports 1080P, audio return (8-12m CEC) • Available in 8,10,12, 15 & 23m • Black with black molded heads 	<p>GOOD</p>

HDMI SOLUTIONS

<p>DL-HFC SERIES DIGITALINX PLENUM RATED OPTIC HDMI WITH DETACHABLE HEADS</p> 	<ul style="list-style-type: none"> • Plenum rated cable for all installations • Ultra-small diameter cable • Detachable HDMI TX & RX units from main body • No external power needed, uses equipment power 	<p>HYBRID COPPER/FIBER</p> <ul style="list-style-type: none"> • NEC CMP-OF, CEC FT6, HDCP 2.2, RoHS compliant • Lengths: 25, 35, 50 & 75ft • HDMI High Speed, 10.2Gpbs, 4K@60Hz 4:2:0 3D, all audio 	<p>BEST</p>
<p>PF-HDM HYBRID HIGH SPEED HDMI AOC (ACTIVE OPTICAL CABLE)</p> 	<ul style="list-style-type: none"> • HDMI "A" male to male connectivity • Polymer Optical Fiber (POF) for better flexibility • Ultra-Small diameter cable with reduced sized HDMI heads 	<p>PLENUM HIGH SPEED HDMI</p> <ul style="list-style-type: none"> • Draws power from pin 18 of the source/display HDMI port • HDMI High Speed 10.2Gbps 4K@30Hz 3D all Audio formats • Supports 4K@60Hz with 4:2:0 Chroma Sampling 	<p>BEST</p>
<p>DL-HDM-M 18G ACTIVE OPTICAL HDMI (NO EXTERNAL POWER REQUIRED)</p> 	<ul style="list-style-type: none"> • Unique patented Opto electronics delivers 18G without power • HDMI "A" to HDMI "A" Male connectivity • Small Flexible bulk cable 	<p>MAXIMUM LOCKING PERFORMANCE PACKAGE</p> <ul style="list-style-type: none"> • Real Glass, no Plastic Optical Fiber • Built to be installed, full strain relief for head pull • Full HDMI 2.0b 18G, HDR, 4K60Hz 4:4:4, all Audio 	<p>BEST</p>
<p>HD-700 SERIES PPC® LOCKING HIGH SPEED HDMI WITH AUDIO RETURN</p> 	<ul style="list-style-type: none"> • 28 AWG copper TMDS pairs • True Locking HDMI® feature up to 25lbs+ • CL2, CMG FT4, RoHS compliant • 10.2 Gbps, 4K video, all HDMI® audio formats 	<p>LOCKING PERFORMANCE PACKAGE</p> <ul style="list-style-type: none"> • Supports CEC, audio return & Ethernet • Available in 2,4,8,16,25,35 & 50ft lengths • 16ft & up are active & directional • Black with gun metal metallic hoods 	<p>BETTER</p>
<p>HD-600 SERIES PPC® HIGH RETENTION HIGH SPEED HDMI WITH ETHERNET</p> 	<ul style="list-style-type: none"> • 28 AWG copper TMDS pairs • High Retention plugs up to 12lbs • CL2, CMG FT4, RoHS compliant • 10.2 Gbps, 4K video, all HDMI® audio formats 	<p>IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS</p> <ul style="list-style-type: none"> • Supports CEC, audio return & Ethernet • Available in 3, 6 & 12ft lengths • Thumb latch and release feature • Black with black ABS hoods 	<p>GOOD</p>
<p>DFO-1000P CELERITY PLENUM RATED FIBER OPTIC HDMI LONG DISTANCE CABLE</p> 	<ul style="list-style-type: none"> • Fiber Optic Ribbon Cables • Detachable HDMI® TX and RX modules • Handles up to 60lbs of pull force • OFNP FT6 rated, RoHS Compliant • Miniature molded micro USB format (not USB) 	<p>PLENUM RATED FIBER FEATURING DETACHABLE HEADS</p> <ul style="list-style-type: none"> • 21.0 Gbps, 4K@60Hz ready, all HDMI® audio • Supports CEC, audio return • Lengths from 35 to 1000ft • Requires powered receptacles on both sides • Black cable and black ABS ends & modules 	<p>BEST</p>

Detachable HDMI connector makes pre-wiring of the fiber optic cable as easy as plug & play

Detachable Fiber Optic HDMI Connector (USB power required on the receiver side of the installation)

HD TERMINATION TERMINATE IN 5 MINUTES!



WATCH IT NOW!
HD TERMINATION

Perfect for HD custom cable lengths in the field!

- Locking HDMI connector technology increases retention up to 400%
- Customize your HD cable lengths to professionally dress racks & minimize excess cable
- Supports HDMI with Ethernet, CEC and bi-directional audio formats
- Send 1080p video up to 55ft with optional extender



RIBBON CABLE
DL-HDMCBL

CRIMP & CUTTING TOOL
DL-HDMHT

CONNECTORS & SHELLS
DL-HDMCPK

OPTIONAL EXTENDER
74-035-01

DL-HDM-M *NEW* HDMI AOC RISER 18.0G

18G 4K60 4:4:4

HDMI Maximum Performance AOC Hybrid Cable



Liberty's **DL-HDM-M** Series are Active Optical Cables (AOC) featuring a unique hybrid construction and construction the industry has been waiting for. The cable strain relief is anchored into the connector housings to prevent inadvertent damage so common in other AOC cables.

KEY FEATURES

- True 18G Fiber Optic Performance
- No external power required
- Designed for pulling
- UL/CSA listed for in-wall use
- Convenient cable lengths

TECH SPECS

INPUT/OUTPUT CONNECTIONS

HDMI Male HDMI Type A connector

HDMI SUPPORTED VIDEO, AUDIO AND ETHERNET

HDMI Maximum Video Compatibility 4K@60Hz 4:4:4 up to 100m, HDR Support

Video Compliance HDMI, HDCP, and CEC (Consumer Electronics Control)

Embedded Audio Up to 32 Audio Channels and up to 1536 KHz Audio Sampling

Minimum Bandwidth 18.0 Gbps

Ethernet Not supported

CABLE CONSTRUCTION

HDMI Connector Features HDMI "A" Male

HDMI Hood Construction Metal Shell for extreme durability and proper cable strain relief

HDMI Molded Hood Dimensions 19.6x40x10.0mm with a 14mm strain relief

Jacket Material Flexible Flame rated PVC with a black finish

Cable Construction 4 Multimode OM2 equivalent fibers with 7 copper conductors

Overall Cable Size 0.142" | 3.6mm

Minimum Bend Radius 1.42" | 36mm

Maximum Tensile Load 100Lbs | 45Kg

Available Cable Lengths 8, 10, 15, 23, 30, 50, 60, and 100 meters

ENVIRONMENTAL REQUIREMENTS

Operating Temperature 0° to +60° C (+32° to +140° F)

Operating Humidity 20% to 85%, Non-condensing

Storage Temperature -20° to +80° C (0° to +176° F)

POWER AND REGULATORY

Regulatory NEC CMR-OF, CEC CMG FT4, EU RoHS-2 2011/65/EU Compliant

COMING SOON!
DL-PHDM-M Plenum and DL-ZHDM-M Palogen Free

PF-HDM-M HDMI AOC PLENUM 10.2G

PLENUM HIGH-SPEED HDMI® ACTIVE OPTICAL CABLE



KEY FEATURES

- HDMI "A" male to male connectivity
- Polymer Optical Fiber (POF) for better flexibility
- Ultra-Small diameter cable with reduced sized HDMI heads
- Draws power from pin 18 of the source/display HDMI port
- HDMI High Speed 10.2Gbps 4K@30Hz 3D all Audio Formats
- Supports 4K@60Hz with 4:2:0 Chroma Sampling
- Does not support Ethernet or Audio Return
- Lengths: 10, 15, 20, 23, and 30 meters
- NEC/CEC rated CMP-OF Plenum, RoHS-2 Compliant

TECH SPECS

INPUT/OUTPUT CONNECTIONS

HDMI Male HDMI Type A connector

SUPPORTED AUDIO AND VIDEO

Maximum Video Compatibility 4K@30Hz 4:4:4 Chroma or 4L@60Hz 4:2:0 Chroma

Video Compliance HDMI, HDCP, and CEC (Consumer Electronics Control)

Embedded Audio Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio

Input DDC Signal 5.0 volts p-p (TTL)

Input Video Signal 0.5 to 1.0 volts p-p

Maximum Bandwidth 10.2 Gbps

CABLE CONSTRUCTION

HDMI Hood Material Molded ABS

HDMI Hood Dimensions 9.50 mm x 18.7 mm x 26.8 mm (0.373 in. x 0.734 in. x 1.06 in.)

Fiber Jacket Material Plenum Rated PVC

Cable Construction Hybrid POF (Plastic Optical Fiber) and Copper

Overall Cable Diameter 5 mm

Minimum Bend Radius 5 mm

Maximum Tensile Load 20 kg (44 lbs.)

ENVIRONMENTAL REQUIREMENTS

Operating Temperature 0° to +50° C (+32° to +122° F)

Operating Humidity 20% to 85%, Non-condensing

Storage Temperature -30° to +50° C (-22° to +122° F)

Storage Humidity 20% to 85%, Non-condensing

POWER AND REGULATORY

Power Supply Via HDMI pin 18

Power Consumption 0.07 watts

Regulatory NEC® rated CMP-OF, CEC rated CMP, RoHS Compliant

OTHER

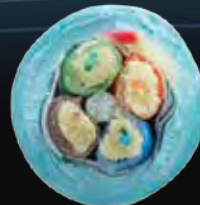
Warranty 2 years

FIBER OPTIC SOLUTIONS



**Stronger, Safer
and Faster than
standard fiber
optic cable!**

- **10,000x's THE FLEX LIFE OF STANDARD FIBER!**
Extremely high mechanical fatigue rating. This makes SSF® Fiber 10,000x's less susceptible to breaking due to bending. SSF® Fiber has a pull tension that is 2.5 – 4x's that of UTP!
- **NEARLY IMPOSSIBLE TO GENERATE GLASS SLIVERS DURING STANDARD USE!** SSF® Fiber is completely safe to handle & will not present the inherent safety concerns that conventional glass fiber brings.
- **33% LABOR SAVINGS USING OUR FIELD TERMINABLE SC PLUGS.** The termination process for SSF® Fiber is very simple; it does not require a trained/certified fiber technician.
- **THE PATENTED POLYMER COATING ON SSF® FIBER.** Guarantees no contamination reaches the underlying glass. Moisture, dirt & even human skin oils are kept from the signal carrying core & cladding by the proprietary coating. This feature increases the lifetime of the fiber well above & beyond standard fiber constructions.
- **MICRO-DISTRIBUTION SSF® FIBER IS THE ULTIMATE IN SMALL DIAMETER FIBER CABLE.** Have a small conduit? Pull many more fibers than standard construction tight buffer fiber solutions.



**LIBERTY
AV SOLUTIONS**

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RUN WITH US



FIBER OPTIC CABLE SOLUTIONS



SSF® CABLE SOLUTIONS

No stripping required | Incredible bend longevity assured for 10,000x's longer lifetime than normal glass fibers








Cleerline SSF is a leap ahead for field installation! Increasing the speed, safety & efficiency of fiber installations while reducing the tooling required to terminate fiber optic cables!

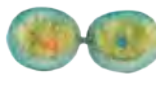






Features and Benefits

- Integral proprietary & patented coating provides incredible glass protection
- Very small diameter distribution fiber for maximum fiber counts in conduit limited installations
- Simplified termination process designed for ease of use & installation efficiency gains
- Bend longevity for 10,000x's longer life time than normal fibers
- Increased safety factor due to the incredible bend insensitivity
- Glass fiber remains protected at all times from the elements
- High mechanical strength & superior fatigue values
- Ultra low attenuation loss on tight bend radius
- Exclusive 250um Soft Peel® jacket identifier in standard fiber color codes

Products

- OM3 50 micron Laser Optimized fiber cables. OM4, OM2 and singlemode available
- Two (2), four (4), & six (6) fiber Micro-Distribution format cables with a maximum diameter of 3.2mm in both plenum and riser formats
- One (1) & two (2) fiber assembly style format for simplex & duplex patch cords or one (1) & two (2) fiber installations
- Two (2) and Four (4) fiber Breakout format cables with 2mm sub units in plenum indoor & indoor/outdoor formats
- Easy apply LC & SC connectors for quick & reliable field termination in convenient 10-packs
- SC-SC, LC-LC & SC-LC duplex fiber jumpers in one (1), two (2), three (3), five (5) & 10m lengths

Micro-Distribution Style FIBER OPTIC CABLE 1 FIBER OM3 50/125 MULTIMODE	S50125MOM3P 
Micro-Distribution Style FIBER OPTIC CABLE 1 FIBER OM3 50/125 MULTIMODE	S50125MOM3R 
Breakout Style INDOOR/OUTDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE	2B50125OM3P 
Micro-Distribution Style INDOOR/OUTDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE	2D50125MOM3P 
Assembly Style INDOOR/OUTDOOR FIBER OPTIC CABLE OM3 50/125 MULTIMODE	D50125MOM3P 
Breakout Style INDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE	2B50125OM3R 
Micro-Distribution Style INDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE	2D50125MOM3R 

Assembly Style INDOOR/OUTDOOR FIBER OPTIC CABLE OM3 50/125 MULTIMODE	D50125MOM3R 
Micro-Distribution Style INDOOR FIBER OPTIC CABLE 1 FIBER OM3 50/125 MULTIMODE	6D50125MOM3P 
Micro-Distribution Style INDOOR FIBER OPTIC CABLE 6 FIBER OM3 50/125 MULTIMODE	6D50125MOM3R 
Breakout Style INDOOR FIBER OPTIC CABLE OM3 50/125	4B50125OM3P 
Micro-Distribution Style INDOOR FIBER OPTIC CABLE 1 FIBER OM3 50/125 MULTIMODE	4D50125MOM3P 
Breakout Style INDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE	4B50125OM3R 
Micro-Distribution Style INDOOR FIBER OPTIC CABLE 1 FIBER OM3 50/125 MULTIMODE	4D50125MOM3R 

FIBER OPTIC CABLE SOLUTIONS



SSF[®] FIBER SOLUTIONS

No stripping required | Incredible bend longevity assured for 10,000 x's longer lifetime than normal glass fibers

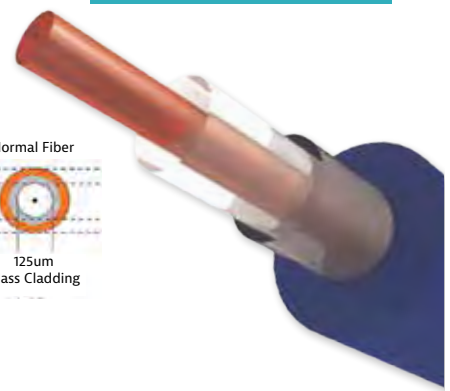
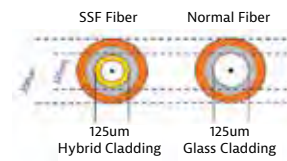
Liberty's SSF[®] fiber by Cleerline Technology redefines how optical cables can be installed and terminated. SSF[®] fiber optics incorporate a patented polymeric coating that surrounds the glass fiber. SSF[®] fibers are stronger, safer and allow for faster terminations compared to all other glass fibers.

SSF[®] fiber is compatible with all common connector systems for standard 50/125 multimode and 9/125 single mode fibers and are available in today's most common cabling configurations for optical cables.

SSF[®] fiber optic cabling eliminates many of the processes involved in the termination of fiber optic cable while adding strength and safety that is unmatched by any other optical fiber. SSF's coated fiber provides protection for bend longevity assured for 10,000 x's longer lift times and superior mechanical strength compared to all other commercially available glass fibers. This allows the installer to quickly terminate mechanical splice style connections and eliminates the imperfections or scarring of the glass caused by stripping when terminating either mechanical or epoxy style connectors. SSF[®] supports all broadband applications.

Liberty's SSF[®] fiber is compatible with all common connector systems on the market for 50/125um multimode and 9/125um single mode fiber optic cables. Get your connectors and the complete termination kit at Liberty!

STRONGER
SAFER
FASTER!



STRONGER, SAFER, FASTER (SSF[®]): TERMINATIONS

Terminate SSF Fiber in 30 Seconds or Less!

SSF-LC-MMFPC-10



LC PLUG FIELD ASSY OM3 10PK

- LC Plug Format
- 50/125 Multimode Fiber OM2/3/4
- Sold in multiples of 10 only
- Fits Breakout and Distribution style cable
- Ideal for Stronger, Safer, Faster (SSF) fiber terminations

SSF-SC-MMFPC-10



FIELD ASSEMBLY SC FIBER OPTIC CONNECTOR FOR OM3/4 MULTIMODE

- SC Plug Format
- 50/125 Multimode Fiber OM2/3/4
- Sold in multiples of 10 only
- Fits Breakout and Distribution style cable
- Ideal for Stronger, Safer, Faster (SSF) fiber terminations

SSF-FKIT03P



FIELD ASSEMBLY FIBER OPTIC TERMINATION KIT

- Termination Tooling Kit for SC, LC, and ST Connectors
- Includes VFL, cleaver, scissors, stripper
- Ideally set up for SSF fiber termination

TECH SPECS

Liberty SSF 50/125um Specialty OM3 Multimode Optical Fiber Characteristics Conditions Specified Values Unit SSF conforms to the requirement of IEC 60793 A1a, ISO/IEC 11801 & ITU-T G.651.1. 850 nm Laser-Optimized 50 µm-core multimode fiber for 10 Gb/s & above applications

PHYSICAL CHARACTERISTICS

Core Diameter	50.0 ± 2.5 (µm)
Core Non-circularity	≤ 5 (%)
Core / Hybrid Cladding Concentricity Error	≤ 3.0 (µm)
Hybrid Cladding Diameter	125 ± 1 (µm)
Hybrid Cladding Non-Circularity	≤ 3.0 (%)
Protective Coating Concentricity Error	≤ 3.0 (µm)
Soft-Peel Jacket Identifier	245 ± 5
Coating Strip Force (typical)	≤ 100 (g)
Color Coating Diameter	250 ± 10 (µm)
Fiber Curl	≤ 2 (m)
Proof Test 100 (Kps)	
Bend Induced Attenuation at 1300 nm	≤ 1.0 (dB)
(100 turns around a mandrel of 75 mm diameter)	
Dynamic fatigue 230C, 41%RH (nd)	>30
Length (Typical)	1.0 – 8.8 (Km)

OVERFILLED MODAL BANDWIDTH

850 nm	≤ 1500 (MHzØkm)
1300 nm	≤ 500 (MHzØkm)
Differential Mode Delay 850nm	≤ 2000 (MHz-km)

BACKSCATTER CHARACTERISTICS

Attenuation Directional Uniformity	≤ 0.05 (dB/km)
Attenuation Uniformity	≤ 0.05 (dB)
Group Index of Refraction	
850 nm	1.481
1300 nm	1.476
Attenuation Directional Uniformity	≤ 0.05 (dB/km)
Attenuation Uniformity	≤ 0.05 (dB)
Group Index of Refraction	
850 nm	1.481
1300 nm	1.476

ENVIRONMENTAL CHARACTERISTICS

Temperature Dependence at 850 nm and 1300 nm	≤ 0.1 (dB/km)
Induced Attenuation – 400C to +850C	
Water Soak Dependence at 850 nm and 1300 nm	≤ 0.2 (dB/km)
Induced Attenuation at 230C for 30 days	
Damp Heat Dependence at 850 nm and 1300 nm	≤ 0.2 (dB/km)
Induced Attenuation at 850C, 85%R.H., 30 days	
Dry Heat Dependence at 850 nm and 1300 nm	≤ 0.2 (dB/km)
Induced Attenuation at 850C, 85%R.H., 30 days	

OPTICAL CHARACTERISTICS*

Attenuation Coefficient	
850 nm	≤ 3.0 (dB/km)
1300 nm	≤ 1.0 (dB/km)
Numerical Aperture	0.200 ± 0.015

*Ensured via minEMBC per TIA/EIA 455-220A and IEC 60793-1-49, for high performance laser based systems.



FIBER OPTIC CABLE SOLUTIONS



SSF® JUMPER SOLUTIONS

Stronger, Safer, Faster (SSF®) Lifetime Fiber Optic Patch Cables

DOM3NLCLC | Stronger, Safer, Faster (SSF®) Lifetime Fiber Optic Patch Cable OM3 Laser Optimized Multimode LC-LC



Features and Benefits

- Duplex LC to Duplex LC FPC/SPC format connectors
- Stronger, Safer, Faster (SSF) fiber bulk cable
- 10,000 times the flex life of standard fiber cables
- Two (2) fiber 50/125 laser optimized multimode OM3 fiber
- Standard lengths 1, 2, 3, 5 & 10m
- NEC OFNR, CEC FT4 & RoHS compliant

Applications

- Super strong long life duplex fiber patch cables
- LAN 10/100/1000/10G ethernet
- Digital multimedia patching & interconnection
- Crestron, AMX & Savant standard fiber specification



TECH SPECS

MODEL	Description
DOM3LCLC01M	3.3' Teal
DOM3LCLC02M	6.6' Teal
DOM3LCLC03M	10' Teal

DOM3NL CSC | Stronger, Safer, Faster (SSF®) Lifetime Fiber Optic Patch Cable OM3 Laser Optimized Multimode LC-SC



Features and Benefits

- Duplex LC to Duplex SC format connectors
- Stronger, Safer, Faster (SSF) fiber bulk cable
- 10,000 times the flex life of standard fiber cables
- Two (2) fiber 50/125 laser optimized multimode OM3 fiber
- Standard lengths 1, 2, 3, 5 & 10m
- NEC OFNR, CEC FT4 & RoHS compliant

Applications

- Super strong long life duplex fiber patch cables
- LAN 10/100/1000/10G ethernet
- Digital multimedia patching & interconnection
- Crestron, AMX & Savant standard fiber specification



TECH SPECS

MODEL	Description
DOM3LCSC01M	3.3' Teal
DOM3LCSC02M	6.6' Teal
DOM3LCSC03M	10' Teal

DOM3NSCSC | Stronger, Safer, Faster (SSF®) Lifetime Fiber Optic Patch Cable OM3 Laser Optimized Multimode SC-SC



Features and Benefits

- Duplex SC to SC format connectors
- Stronger, Safer, Faster (SSF) fiber bulk cable
- 10,000 times the flex life of standard fiber cables
- Two (2) fiber 50/125 laser optimized multimode OM3 fiber
- Standard lengths 1, 2, 3, 5 & 10m
- NEC OFNR, CEC FT4 & RoHS compliant

Applications

- Super strong long life duplex fiber patch cables
- LAN 10/100/1000/10G ethernet
- Digital multimedia patching & interconnection
- Crestron, AMX & Savant standard fiber specification



TECH SPECS

MODEL	Description
DOM3SCSC01M	3.3' Teal
DOM3SCSC02M	6.6' Teal
DOM3SCSC03M	10' Teal

MULTIMODE OM1: PLENUM AND NON-PLENUM

BX004KWLS90P ORANGE BREAKOUT STYLE INDOOR/OUTDOOR PLENUM FIBER OPTIC CABLE 4 FIBER OM1 62.5/125 MULTIMODE REEL



- 4 fiber OM1 62.5/125 multimode
- Dual layer tight buffer 900 micron
- Central strength member
- Breakout construction
- UV stabilized PVC jacket
- NEC OFNP, CEC FT6, Sunlight resistant, RoHS compliant
- Fiber is cut to order

DX002KWLS9KR BLACK DISTRIBUTION STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 2 FIBER OM1 62.5/125 MULTIMODE REEL



- 2 fiber OM1 62.5/125 multimode
- Dual layer tight buffer 900 micron
- Central strength member and kevlar yarn
- Distribution construction
- UV stabilized PVC jacket
- Sunlight resistant, suitable for wet locations
- NEC OFNR, CEC FT4, RoHS compliant
- Fiber is cut to order

BX004DWLS9KR BLACK BREAKOUT STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 4 FIBER OM1 62.5/125 MULTIMODE REEL



- 4 Fiber 62.5 micron 62.5/125 Multimode OM1 Fiber
- Dual Layer 900 micron tight buffer
- Breakout Construction inner jackets with kevlar yarn
- 4 jacketed fibers around a central member
- UV Stabilized Polyvinyl Chloride jacket
- NEC OFNR, CEC FT4, Sunlight Resistant, RoHS Compliant
- Fiber is cut to order

DX006KWLS9KR BLACK DISTRIBUTION STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 6 FIBER OM1 62.5/125 MULTIMODE REEL



- 6 fiber OM1 62.5/125 multimode
- Dual layer tight buffer 900 micron
- Central strength member and kevlar yarn
- Distribution construction
- UV stabilized PVC jacket
- Sunlight resistant, suitable for wet locations
- NEC OFNR, CEC FT4, RoHS compliant
- Fiber is cut to order

MULTIMODE OM2: PLENUM AND NON-PLENUM

DX002SALS90P ORANGE FIBER 2F 50 OM2 OFNP DIST REEL



- 2 Fiber 50/125 micron OM2 Multimode Fiber
- 900 Micron Dual Layer Tight Buffer
- Aramid Yarn Strength Members (Kevlar)
- Distribution Format
- Indoor Only Plenum rated PVC Alloy Orange Jacket
- 800m, 1600m Standard Spool Lengths, Fiber is cut to order
- NEC OFNP, CEC FT6, RoHS Compliant

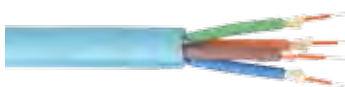
BX004DALS9KR BLACK BREAKOUT STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 4 FIBER OM2 50/125 MULTIMODE REEL



- 4 Fiber 50/125 Multimode OM2 Fibers
- Dual Layer 900 micron tight buffer
- Breakout Construction inner jackets with kevlar yarn
- 4 jacketed fibers around a central member
- UV Stabilized Polyvinyl Chloride jacket
- Orange colored jacket indicates OM2
- NEC OFNR, CEC FT4, Sunlight Resistant, RoHS Compliant
- Fiber is cut to order

MULTIMODE OM3: PLENUM AND NON-PLENUM

BX004DWLT9QR TEAL BREAKOUT STYLE INDOOR/OUTDOOR PLENUM FIBER OPTIC CABLE 4 FIBER OM3 50/125 MULTIMODE REEL



- 4 fiber OM3 50/125 laser optimized multimode
- Dual layer tight buffer 900 micron
- Central strength member
- Breakout construction
- UV stabilized PVC jacket
- NEC OFNP, CEC FT6, Sunlight resistant, RoHS compliant
- Fiber is cut to order

MULTIMODE OM3: PLENUM AND NON-PLENUM

BX002DAL9QR TEAL BREAKOUT STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 2 FIBER OM3 50/125 MULTIMODE REEL



- 2 fiber OM3 50/125 laser optimized multimode
- Dual layer tight buffer 900 micron
- Central strength member
- Breakout construction
- UV stabilized PVC jacket
- NEC OFNR, CEC FT4, Sunlight resistant, RoHS compliant
- Fiber is cut to order

BX004DAL9QR TEAL BREAKOUT STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 4 FIBER OM3 50/125 MULTIMODE REEL



- 4 fiber OM3 50/125 laser optimized multimode
- Dual layer tight buffer 900 micron
- Central strength member
- Breakout construction
- UV stabilized PVC jacket
- NEC OFNR, CEC FT4, Sunlight resistant, RoHS compliant
- Fiber is cut to order

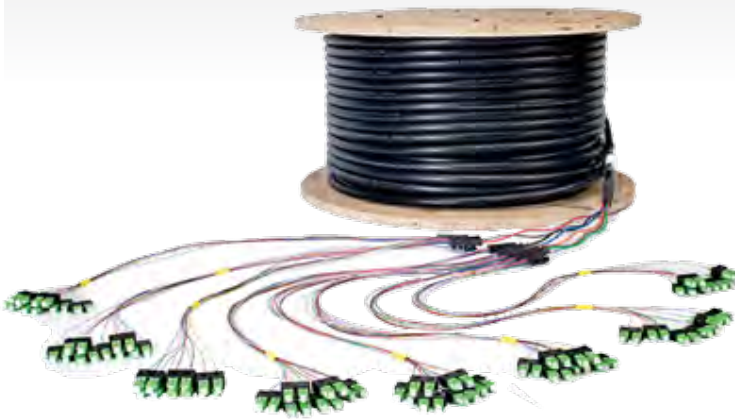
DX004DAL9QR TEAL DISTRIBUTION STYLE INDOOR/OUTDOOR FIBER OPTIC CABLE 4 FIBER OM3 50/125 MULTIMODE REEL



- 4 fiber OM3 50/125 laser optimized multimode
- Dual layer tight buffer 900 micron
- Central strength member
- Breakout construction
- UV stabilized PVC jacket
- NEC OFNR, CEC FT4, Sunlight resistant, RoHS compliant
- Fiber is cut to order

CUSTOM & PREMADE FIBER OPTICS SOLUTIONS

CUSTOM FIBER INSTALL CABLES | CUSTOM FIBER PATCH CORDS
DATA CENTER CONFIGURATIONS | LEMO® BROADCAST CABLES | STANDARD FIBER PATCH CORDS



Liberty's team of experienced sales professionals and highly trained fiber technicians can design solutions that will work for every type of fiber optic installation. As a certified Fibertron™ and Corning Gold™ manufacturer, our custom fiber assemblies are unmatched in the AV industry for performance, reliability and value.

FIBERTRON
CUSTOM FIBER OPTICS

Liberty distributes Optical Cable Corporation fiber, check our website for many more choices!

CORNING: OM1

95-000-41



CORNING UNICAM SC FIBER OPTIC CONNECTOR FOR OM1 62.5/125

- SC Plug Format
- 62.5/125 Multimode Fiber OM1
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

95-000-51



CORNING UNICAM ST[®] COMPATIBLE FIBER OPTIC CONNECTOR FOR OM1 62.5/125

- ST Plug Format
- 62.5/125 Multimode Fiber
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

95-000-99



CORNING UNICAM LC FIBER OPTIC CONNECTOR FOR OM1 62.5/125

- LC Plug Format
- 62.5/125 Multimode Fiber
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

CORNING: OM2/3/4

95-050-41



CORNING UNICAM SC FIBER OPTIC CONNECTOR FOR OM2 50/125

- SC Plug Format
- 50/125 Multimode Fiber OM2
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

95-050-41-X



CORNING UNICAM SC FIBER OPTIC CONNECTOR FOR OM3/4 50/125

- SC Plug Format
- 50/125 Laser Optimized Multimode OM3 / OM4
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

95-050-51-X



CORNING UNICAM ST[®] COMPATIBLE FIBER OPTIC CONNECTOR FOR OM3/4 50/125

- ST Plug Format
- 50/125 Laser Optimized Multimode OM3 / OM4
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

95-050-99-X



CORNING UNICAM LC FIBER OPTIC CONNECTOR FOR OM3/4 50/125

- LC Plug Format
- 50/125 Laser Optimized Multimode OM3 / OM4
- Individual Bag with Multiple strain relief boots
- Fits both Breakout and Distribution style cable
- Specific for Corning Unicam PFC System

CORNING

TKT-UNICAM-PFC



CORNING UNICAM FIBER OPTIC TERMINATION SYSTEM

- Termination Tooling Kit for SC, LC, and ST Connectors
- Ergonomic Suitcase design can go anywhere
- All Supplies included, DVD and printed instructions
- Visual Fault Locator built into the termination tool
- Precision Cleaver



NEED HELP?







We offer technical assistance on all of our products or applications!

Call us at 800-530-8998 or email

orders@LibAV.com

CABLES: CATEGORY CABLE SOLUTIONS CABLES

- TRULY 3RD PARTY CERTIFIED BY UL OR ETL
- ABSOLUTELY COMPLIANT!
- HIGH QUALITY PRODUCT
- COMPETITIVE PRICING
- COOL SPOOL® REELS & PAYOUT BOXES
- CATEGORY 5E, 6, 6A & CATEGORY 7
- SHIELDED AND UNSHIELDED
- PLENUM AND RISER RATED

24-4P-L7SH SHIELDED S/FTP ISO 11801 CLASS F CATEGORY 7		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BEST
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Individually shielded pairs w/overall braid • CM rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ISO 11801 Class F, AKA Cat 7 • 10GB Ethernet/4K HDBaseT • Blue jacket only 	Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A Field Terminable: 1401405012-I	12516 -N/A- -N/A-	90170 -N/A- -N/A-
24-4P-P-L7SH SHIELDED S/FTP ISO 11801 CLASS F CATEGORY 7 – PLENUM		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BEST
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Individually shielded pairs w/overall braid • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ISO 11801 Class F, AKA Cat 7 • 10GB Ethernet/4K HDBaseT • Blue jacket only 	Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A Field Terminable: 1401405012-I	12516 -N/A- -N/A-	90170 -N/A- -N/A-
24-4P-L6ASH SHIELDED F/UTP CATEGORY 6A		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6a • 10GB Ethernet/HDBaseT • White jacket only 	Standard: 111S08080016C34 Kitted: RJ45-STP-L6 Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A	100054LW 100054LW 12516 -N/A-	90131LW 90131LW 90170 -N/A-
24-4P-P-L6ASH SHIELDED F/UTP CATEGORY 6A – PLENUM		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6a • 10GB Ethernet/HDBaseT • White jacket only 	Standard: 111S08080016C34 Kitted: RJ45-STP-L6 Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A	100054LW 100054LW 12516 -N/A-	90131LW 90131LW 90170 -N/A-
24-4P-L6-EN EN SERIES CATEGORY 6		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BEST
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & unshielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6 • Positive ACR to 550 MHz • 10 colors 	EZ-RJ45®: 100 011LW Standard: 11108080034	100054LW 100054LW	90131LW 90131LW
24-4P-P-L6-EN EN SERIES CATEGORY 6 – PLENUM		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BEST
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & unshielded • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6 • Positive ACR to 550 MHz • 10 colors 	EZ-RJ45®: 100 011LW Standard: 11108080034	100054LW 100054LW	90131LW 90131LW

24-4P-L6SH SHIELDED F/UTP CATEGORY 6		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & unshielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6 • Positive ACR to 550 MHz • 3 colors 	Standard: 111S08080016C34 Kitted: RJ45-STP-L6 Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A	100054LW 100054LW 12516 -N/A-	90131LW 90131LW 90170 -N/A-
24-4P-P-L6SH SHIELDED F/UTP CATEGORY 6 – PLENUM		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & unshielded • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6 • Positive ACR to 550 MHz • 3 colors 	Standard: 111S08080016C34 Kitted: RJ45-STP-L6 Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A	100054LW 100054LW 12516 -N/A-	90131LW 90131LW 90170 -N/A-
24-4P-L6-HT HOMETRAX™ CATEGORY 6 CABLES		IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • High Density Polyethylene Insulation • Tightly twisted & unshielded • NEC CMR, CEC CMR FT4, RoHS compliant 	<ul style="list-style-type: none"> • Nested box packaging only • ANSI/TIA-568C Verified Cat 6 • Positive ACR to 275 MHz • 4 colors 	EZ-RJ45®: 100 011LW Standard: 11108080034	100054LW 100054LW	90131LW 90131LW
24-4P-L6SH-HT SHIELDED F/UTP CATEGORY 6		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CM rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 6 • Positive ACR past 300 MHz • 3 colors 	Standard: 111S08080016C34 Kitted: RJ45-STP-L6 Tele-TitanXg®: 106190 / 106192 Field Terminable: OCCSFP6A	100054LW 100054LW 12516 -N/A-	90131LW 90131LW 90170 -N/A-
24-4P-L5-EN EN SERIES CATEGORY 5E		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels & Nested Boxes • ANSI/TIA-568C Verified Cat 5e • Positive ACR to 350 MHz • 10 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW
24-4P-P-L5-EN EN SERIES CATEGORY 5E – PLENUM		HIGH QUALITY FOR SUPERIOR PERFORMANCE			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels & Nested Boxes • ANSI/TIA-568C Verified Cat 5e • Positive ACR to 350 MHz • 10 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW
24-4P-L5SH-EN EN SERIES SHIELDED F/UTP CATEGORY 5E		IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 5e • Positive ACR past 200 MHz • 4 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW

24-4P-P-L5SH EN SERIES SHIELDED F/UTP CATEGORY 5E – PLENUM		IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMP rated, RoHS compliant 	<ul style="list-style-type: none"> • Cool Spool Reels • ANSI/TIA-568C Verified Cat 5e • Positive ACR past 200 MHz • 4 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW
24-4P-L5-HT HOMETRAX™ CATEGORY 5E CABLES		IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • High Density Polyethylene Insulation • Tightly twisted & unshielded • NEC CMR, CEC CMR FT4, RoHS compliant 	<ul style="list-style-type: none"> • Nested box packaging only • ANSI/TIA-568C Verified Cat 5e • Positive ACR past 200 MHz • 4 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW
24-4P-L5SH-HT HOMETRAX™ SHIELDED F/UTP CATEGORY 5E		IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS			BETTER
FEATURES		CONNECTOR(S)	CRIMP TOOLING	TOOL KIT	
	<ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMR rated, RoHS compliant 	<ul style="list-style-type: none"> • Plain wooden spools • ANSI/TIA-568C Verified Cat 5e • 3 colors 	EZ-RJ45®: 100 003B Standard: 10005USOP	100054LW 100054LW	90131LW 90131LW

LAN TOOLS & TERMINATION KITS



- 90170**
NCS TELE-TITANXG CAT6A/10GIG CRIMP TOOL KIT
- Large diameter Cat 6, 6A & 7 terminations
 - LAN up to 10G networking, HDBaseT cable terminations



- 12516**
TELE-TITANXG CAT6A/10GIG STRAIN RELIEF CRIMP TOOL
- Large diameter Cat 6, 6A & 7 terminations
 - LAN up to 10G networking, HDBaseT cable terminations



- 100016**
WHITE CATMASTER TOOL KIT
- Termination of RJ45 & RJ25 (RJ11, RJ12) plugs
 - Termination of EZ-RJ45 feed through plugs
 - LAN & Balun support







- 100054LW**
HEAVY DUTY EZ-RJ45 CRIMP TOOL
- Modular plug crimp & cut action for EZ-RJ45 connectors
 - 4P4C through 8P8C formats (RJ9/RJ11/RJ45)
 - 75% better connector support to reduce issues

- MANUFACTURED TO SCTE REQUIREMENTS
- MATCHING C-TEC2 COMPRESSION PLUGS
- NO MAGNESIUM BRAID SHIELDS HERE
- COMPETITIVE PRICING

- COOL SPOOL® REELS AND PAYOUT BOXES
- SWEEP TESTED TO 3.0 GHZ
- DUAL AND QUAD SHIELDED
- UL OR ETL LISTED

<p>RG6-CM DUAL SHIELD NON-PLENUM RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR MOST RF VIDEO APPLICATIONS WHERE DC POWER IS NOT NEEDED</p> <ul style="list-style-type: none"> • Solid copper-clad steel conductors • Foamed Polyethylene Insulation • Bonded foil & 60% aluminum braid shields • NEC CM, CEC CM RoHS compliant 	<p>GOOD</p> <ul style="list-style-type: none"> • Cool Spool® Reels • Sweep Tested to 3.0 GHz • Excellent SRL ration • 2 colors
<p>RG6-P-CATV DUAL SHIELD PLENUM RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR MOST RF VIDEO APPLICATIONS WHERE DC POWER IS NOT NEEDED</p> <ul style="list-style-type: none"> • Solid copper-clad steel conductors • Foamed Polyethylene Insulation • Bonded foil & 60% aluminum braid shields • NEC CM, CEC CM RoHS compliant 	<p>GOOD</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>RG6-BC-CATV-DB DUAL SHIELD OUTSIDE PLANT RG6 FOR CATV & DBS</p> 	<p>IDEAL ALL AROUND RF VIDEO CABLE FOR OUTDOOR & DIRECT BURIAL APPLICATIONS</p> <ul style="list-style-type: none"> • Solid bare copper conductors • Foamed Polyethylene Insulation • Bonded foil & 60% aluminum braid shields • Braid shield flooded for water repellent gel 	<p>GOOD</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>QUADFLEX QUAD SHIELD NON-PLENUM RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR RF VIDEO NON-DC REQUIRED APPLICATIONS WHERE EXTERNAL INTERFERENCE RESISTANCE IS NEEDED</p> <ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & unshielded • CM rated, RoHS compliant 	<p>BETTER</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>QUADFLEX-BC QUAD SHIELD NON-PLENUM RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR RF VIDEO DC REQUIRED APPLICATIONS WHERE EXTERNAL INTERFERENCE RESISTANCE IS NEEDED</p> <ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CM rated, RoHS compliant 	<p>BETTER</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>RG6-QUAD-CMP QUAD SHIELD PLENUM RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR RF VIDEO NON-DC REQUIRED APPLICATIONS WHERE EXTERNAL INTERFERENCE RESISTANCE IS NEEDED</p> <ul style="list-style-type: none"> • Solid annealed bare copper conductors • HDPE or FEP insulation • Tightly twisted & overall foil shielded • CMP rated, RoHS compliant 	<p>BETTER</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>RG6-QUAD-DB QUAD SHIELD OUTSIDE PLANT RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR RF VIDEO NON-DC REQUIRED APPLICATIONS FOR OUTDOOR & DIRECT BURIAL</p> <ul style="list-style-type: none"> • Solid annealed bare copper conductors • High Density Polyethylene Insulation • Tightly twisted & overall foil shielded • Braid shield flooded for water repellent gel 	<p>BETTER</p> <ul style="list-style-type: none"> • Cool Spool Reels • Sweep Test to 3.0 GHz • Excellent SRL ration • 2 colors
<p>RG6Q-CM-SIAM QUAD SHIELD NON-PLENUM DUAL RG6 FOR CATV & DBS</p> 	<p>IDEAL FOR RF VIDEO NON-DC REQUIRED APPLICATIONS WHERE EXTERNAL INTERFERENCE RESISTANCE IS NEEDED</p> <ul style="list-style-type: none"> • Solid copper-clad steel center conductor • Foamed Polyethylene Insulation • Two 100% foil & two braid shields 60/40% • NEC CM, CEC CMG FT4, RoHS compliant 	<p>BETTER</p> <ul style="list-style-type: none"> • Wooden spools • Sweep Tested to 3.0 GHz • Excellent SRL ration • Black only

RG11-CATV DUAL SHIELD NON-PLENUM RG11 FOR CATV & DBS	IDEAL FOR LONG RUN, LOW LOSS RF VIDEO APPLICATIONS WHERE DC POWER IS NOT NEEDED	BEST
	<ul style="list-style-type: none"> • Solid copper-clad steel center conductor • Foamed Polyethylene Insulation • Bonded foil and 60% aluminum braid shields • NEC CM, CEC CMG FT4, RoHS compliant 	<ul style="list-style-type: none"> • Wooden spools • Sweep Tested to 3.0 GHz • Excellent SRL ratio • Black only
RG11-P-CATV DUAL SHIELD PLENUM RG11 FOR CATV & DBS	IDEAL FOR LONG RUN LOW LOSS RF VIDEO APPLICATIONS WHERE DC POWER IS NOT NEEDED	BEST
	<ul style="list-style-type: none"> • Solid copper-clad steel center conductor • Foamed Polyethylene Insulation • Bonded foil and 60% aluminum braid shields • CMP, RoHS compliant 	<ul style="list-style-type: none"> • Wooden spools • Sweep Tested to 3.0 GHz • Excellent SRL ratio • White only
RG11-BC-CATV-DB DUAL SHIELD OUTSIDE PLANT RG11 FOR CATV & DBS	IDEAL FOR ALL LONG RUN LOW LOSS RF VIDEO CABLE FOR OUTDOOR AND DIRECT BURIAL APPLICATIONS	BEST
	<ul style="list-style-type: none"> • Solid copper-clad steel center conductor • Foamed Polyethylene Insulation • Bonded foil and 60% aluminum braid shields • Braid shield flooded for water repellent gel 	<ul style="list-style-type: none"> • Wooden spools • Sweep Tested to 3.0 GHz • Excellent SRL ratio • Black only
RG11-QUAD-PL QUAD SHIELD PLENUM RG11 FOR CATV & DBS	IDEAL FOR RF VIDEO NON-DC REQUIRED APPLICATIONS WHERE EXTERNAL INTERFERENCE RESISTANCE IS NEEDED	BEST
	<ul style="list-style-type: none"> • Solid copper-clad steel center conductor • Foamed Polyethylene Insulation • Two 100% foil and two braid shields 60/40% • CMP, RoHS compliant 	<ul style="list-style-type: none"> • Wooden spools • Sweep Tested to 3.0 GHz • Excellent SRL ratio • White only

C-TEC² MATCHING UNIVERSAL CONNECTORS FOR ALL FORMATS F PLUGS FOR ALL FORMATS **BEST**



- Ferrule-less F & M series design allows any sized cable constructions from virtually any manufacturer to fit these connectors
- Significantly reduces the number of connectors required to terminate a variety of cable types
- All-metal connectors with machined slots for ID bands
- Perfect for RF video-CATV, MATV, direct broadcast satellite
- Super-simple termination process, see the video at LibAV.com or scan the QR code below

C-TEC² COMPLETE TOOL PACK
CM-TOOL-PAC



CHECK OUT OUR ENTIRE VIDEO LIBRARY AT LIBAV.COM



C-TEC² TERMINATION SYSTEM

FOR RG59, RG6, RG11, MINI RGB & AUDIO CONNECTORS

- SMPTE COMPLIANT FOR SD SIGNALS
- UL, CSA, AND ROHS COMPLIANT
- HIGH QUALITY LOW LOSS PRODUCT
- COMPETITIVE PRICING

- SDI, HD-SDI, 3G-SDI
- MATCHED CONNECTORS
- SWEEP TEST 4.5 GHZ
- PLENUM AND NON-PLENUM

23-MINI-SD LIBERTY MINI-RG59 SERIAL DIGITAL HIGH RESOLUTION COAXIAL CABLE — IDEAL FOR SHORT LENGTH SDI RUNS & SDI PATCHING GOOD



- 23 AWG solid bare copper center conductor
- Nitrogen injected cellular Polyethylene
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CM, CEC rated CMG FT4
- Standard colors black & white

23-MINI-CMP LIBERTY MINI-RG59 SERIAL DIGITAL HIGH RESOLUTION COAXIAL CABLE — IDEAL FOR SHORT LENGTH PLENUM SDI RUNS & SDI PATCHING GOOD



- 23 AWG solid bare copper center conductor
- Nitrogen injected cellular Fluoropolymer
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CMP, CEC rated CMP FT6
- Standard colors black & white

20-CMR-VIDEO LIBERTY RG59 SERIAL DIGITAL HIGH RESOLUTION COAXIAL RISER RATED CABLE — IDEAL FOR MEDIUM LENGTH SDI RUNS BETTER



- 20 AWG solid bare copper center conductor
- Nitrogen injected cellular Fluoropolymer
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CMR, CEC rated CMG FT4
- Standard colors black & white

20-CMP-VID-COAX LIBERTY RG59 SERIAL DIGITAL HIGH RESOLUTION COAXIAL, PLENUM RATED CABLE — IDEAL FOR MEDIUM LENGTH PLENUM SDI RUNS BETTER



- 20 AWG solid bare copper center conductor
- Nitrogen injected cellular Fluoropolymer
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CMP, CEC rated CMP FT6
- Standard colors black & white

18-CMR-SD LIBERTY RG6 SERIAL DIGITAL HIGH RESOLUTION COAXIAL RISER RATED CABLE — IDEAL FOR MEDIUM LENGTH SDI RUNS BEST



- 18 AWG solid bare copper center conductor
- Nitrogen injected cellular Fluoropolymer
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CMR, CEC rated CMG FT4
- Standard colors black & white

18-CMP-VID-COAX LIBERTY RG6 SERIAL DIGITAL HIGH RESOLUTION COAXIAL PLENUM RATED CABLE — IDEAL FOR MEDIUM LENGTH PLENUM SDI RUNS BEST



- 18 AWG solid bare copper center conductor
- Nitrogen injected cellular Fluoropolymer
- Full Aluminum/Poly/Aluminum inner foil shield
- 95% coverage tinned copper braid shield
- NEC rated CMP, CEC rated CMP FT6
- Standard colors black & white

CABLES: SPEAKER CABLE SOLUTIONS

- UL, ETL, ROHS AND REACH
- MANY CHOICES FOR YOUR APPLICATION
- GOOD-BETTER-BEST IN MOST CATEGORIES
- COMPETITIVE PRICING

- COOL SPOOL® REELS AND PAYOUT BOXES
- CUSTOM PRINTING, SPOOLING AND CUT

GENERAL PURPOSE RISER IDEAL FOR COMMERCIAL SOUND APPLICATIONS, TRADITIONAL AND 70 VOLT SYSTEMS

GOOD

FEATURES

- 18, 16, 14 & 12 AWG 2 & 4 conductor
- 7, 19 or 29 strand annealed copper conductors
- Semi-Rigid PVC insulation for lower capacitance
- Riser rated PVC jacketing
- UL listed CMR or CL3R, Canada FT4, RoHS
- Cool Spool 1000ft put ups

12-4C



12-2C



18-2C



16-2C



14-2C



18-4C



16-4C



14-4C



GENERAL PURPOSE PLENUM IDEAL FOR COMMERCIAL SOUND APPLICATIONS, TRADITIONAL AND 70 VOLT SYSTEMS

GOOD

FEATURES

- 16, 14 & 12 AWG 2 & 4 conductor
- 19 or 29 strand annealed copper conductors
- Plenum rated PVC insulation
- Plenum rated PVC jacketing
- UL listed CMP or CL3P, Canada FT6, RoHS
- Cool Spool 1000ft put ups

12-2C-P



18-2C-P



16-2C-P



14-2C-P



18-4C-P



16-4C-P



14-4C-P



TIGHT TUBE PLENUM™ (TTP™) RUGGED HIGH QUALITY FOR SUPERIOR PERFORMANCE AND EASE OF INSTALLATION

BEST

- Stranded Annealed Bare Copper Conductors
- Plenum rated PVC Alloy insulation
- Twisted, unshielded
- Plenum rated PVC Jacket
- NEC CL3P, CEC CMP FT6, RoHS Compliant
- 1000 Foot Spools

10-2C-TTP



16-2C-TTP



12-2C-TTP



16-4C-TTP



14-2C-TTP



CABLES: SPEAKER CABLE SOLUTIONS

- UL, ETL, ROHS AND REACH
- MANY CHOICES FOR YOUR APPLICATION
- GOOD-BETTER-BEST IN MOST CATEGORIES
- COMPETITIVE PRICING

- COOL SPOOL® REELS AND PAYOUT BOXES
- COMPETITIVE PRICING
- CUSTOM PRINTING, SPOOLING AND CUTS

HOMETRAX™ IDEAL FOR BUDGET CONSCIOUS INSTALLATIONS

16-2C-HT



14-2C-HT



16-4C-HT



14-4C-HT



FEATURES

- 16 and 14 AWG 2 and 4 conductor
- 41 strand annealed copper conductors
- Semi-Rigid PVC insulation for lower capacitance
- Flame rated PVC jacketing
- UL listed CM or CL3, Canada FT4, RoHS
- Nested box packaging only
- White Jackets are standard
- 500 foot put ups

GOOD

KNOCKOUT PLUS™ STRONGER & SMOOTHER THAN STANDARD

16-2C-KO+



14-2C-KO+



16-4C-KO+



14-4C-KO+



FEATURES

- 16 and 14 AWG 2 and 4 conductor
- 41 strand annealed copper conductors
- Semi-Rigid PVC insulation for lower capacitance
- 20% thicker Flame rated PVC jacketing
- Cool Spool Reels and Nested Boxes
- UL listed CM or CL3, Canada FT4, RoHS
- 500 or 1000 foot put ups
- Custom Colors available with a 10,000 minimum

BETTER

EXTRAFLEX PLUS™ RUGGED HIGH QUALITY, SUPERIOR PERFORMANCE & EASE OF INSTALLATION

16-4C-EX+



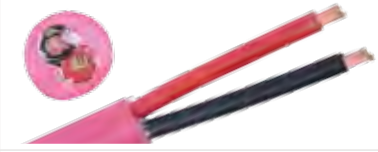
16-2C-EX+



14-4C-EX+



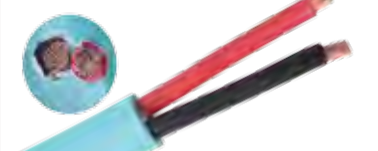
14-2C-EX+



12-4C-EX+



12-2C-EX+



FEATURES

- 16, 14, and 12 AWG one and two pair formats
- High strand rope lay annealed copper conductors
- Foamed Polyethylene insulation
- Very thick and strong pressured PVC jacketing
- Cool Spool Reels
- UL listed CMR or CL3R, Canada FT4, RoHS
- THX® Certified, white jackets
- 500 and 1000 foot put ups

BEST

ULTRACAP™ THX® CERTIFIED SPEAKER CABLES FOR THE DISCERNING AUDIOPHILE

AWESOME

16-1P-UC



14-1P-UC



12-1P-UC



12-2P-UC



FEATURES

- 16, 14, and 12 AWG one and two pair formats
- High strand rope lay annealed copper conductors
- Foamed Polyethylene insulation
- Very thick and strong pressured PVC jacketing
- Cool Spool Reels
- UL listed CMR or CL3R, Canada FT4, RoHS
- THX® Certified, white jackets
- 500 and 1000 foot put ups

14-2C-TTP





AUDIO C-TEC² SYSTEM

Audio C-TEC² connectors slip on easily to the speaker cable conductor & compress on effortlessly with the easy-to-use Audio C-TEC² crimp tools!

Works with all Liberty speaker cable, for in-wall & non in-wall audio applications.



LIBERTY

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Fax: 719-260-0075
Toll-Free: 800-530-8998
Order E-Mail: orders@libav.com

EAST COAST OFFICE AND WAREHOUSE FACILITY

5521 Lakeview Rd., Suite W
Charlotte, North Carolina
28269 USA
Phone: 719-260-0061
Fax: 719-260-0075
Toll-Free: 800-530-8998
Order E-Mail: orders@libav.com

WESCO ASSEMBLY

2202 S 7th Street, Suite 120
Phoenix, Arizona
85034 USA
Phone: 602-226-1625
Toll-Free: 800-263-6591
Email: sales@panelcrafters.com