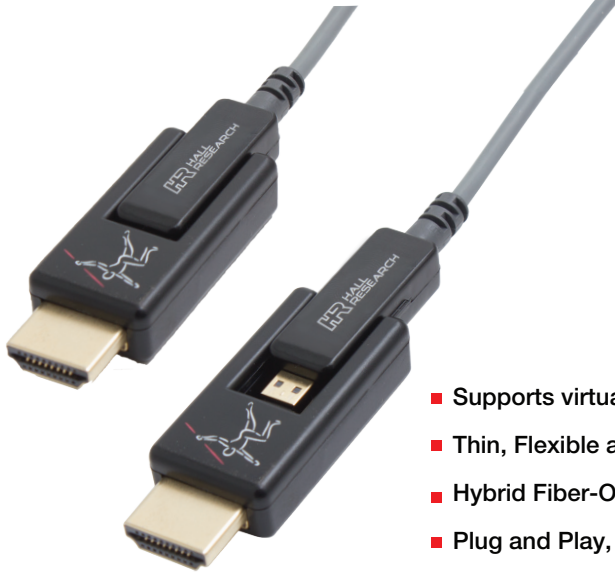# 4K Javelin™ Active Plenum HDMI Cable with Detachable ends

- Supports virtually all HDMI and DVI Resolutions Including 4K UHD

- Thin, Flexible and Lightweight (only 12 oz for 15m (50ft) cable)

- Hybrid Fiber-Optic / Copper Construction

- Plug and Play, No Power Supply Required

- Available in standard lengths of 10, 15, 23, and 30 meters (33, 50, 75, 100 ft)

- Meets International Flame Retardant Standards : UL CMP-OF (Plenum), IEC LSZH

- Offers Fiber-optic RFI/EMI noise immunity

- Supports DDC for HDCP and EDID, CEC

- Cable ends can be fished through small holes, pipes or conduits (end profile is only 0.48 x 0.32 inch)

Hall Research 4K Javelin™ Active Plenum HDMI extension cables utilize the latest in optoelectronic technology to transmit HDMI signals far beyond the typical limitations of copper cables.

The CHD-DExx 4K Javelin™ cables have the added benefit of detachable or removable HDMI connector ends. The cable itself has a small (micro HDMI size) connector that can be pulled through small holes, pipes or conduits.

Among the impressive features of the 4K Javelin™ is its indifference to the resolution that is being extended. It has the ability to handle any resolution or color depth including non-standard video formats as long as the maximum data rate is less than 10.2 Gbps. No compression is used so the image at the far end of the cable is 100% identical to the source.

Since the video is sent using light pulses, the cable provides higher immunity to EMI or RFI interference and there is less chance of video dropouts due to environmental electromagnetic noise.
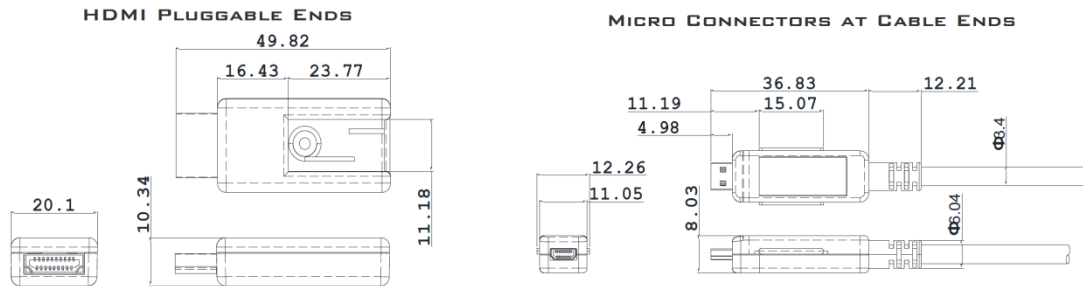
The cable ships with detachable HDMI connectors so it is ready for connection to your video equipment, but users can purchase extra DVI detachable ends allowing for DVI-to-HDMI or DVI-to-DVI configurations using the same cable.

A pulling capsule with eyelet is provided in each package to aid with pulling. The capsule snaps on to the micro connector at cable's end.

The plug-n-play cable requires no external power supply. Power is drawn from the 5v signal pin of the source HDMI output. The cable draws less than 0.25w of power from the source.

The 4K Javelin™ Plenum cable can be used as a regular HDMI cable but without the worry of boosters or equalizers; being Plenum, also makes it possible to be used in any installation environment. Applications include, home theater, conference rooms, schools, airports, hospitals and more.

CH-DExx   4K Javelin™ Active Plenum HDMI Cable with Detachable Ends

HR HALL RESEARCH
A NEW WAVE IN CONNECTIVITY

Diagram

HDMI Pluggable Ends

49.82
16.43 | 23.77
10.34
11.18
20.1

Micro Connectors at Cable Ends

11.19
4.98
36.83
15.07
12.21
Φ3.4
12.26
11.05
8.03
Φ5.04

DVI-D

DVI pluggable end sold separately.
Please contact: sales@hallresearch.com
for further information

Specifications

Performance Characteristics

Input	Micro HDMI connector (Proprietary pinout, do not plug to micro HDMI device)
Output	Micro HDMI connector(Proprietary pinout, do not plug to micro HDMI device)
Video Standards	All Single Link DVI and HDMI resolutions upto 3840x2160 @ 30 (4K UHD), Supports Deep color, xvYCC Color
Bandwidth	10.2 Gbps max (or channel rate of 3.4 Gbps max)
Aux Data	Supports DDC for HDCP and EDID, CEC
Audio Standards	Supports PCM, Dolby, True HD, DTS-HD

Electrical Characteristics

Supply Voltage	Powered from Source HDMI or DVI 5v pin
	Nominal: 5v (operating range: 4.8v ~ 5.3 v)
	Damage will occur if 5v input is greater than 6v
Supply Current	Nominal: 40 ma, max: 47 ma
Power Consumption	Nominal: 0.23 watts (range: 0.2w ~ 0.25w)

Cable Characteristics

Grade	Plenum CMP-OF (UL) & LSZH
Color	Gray
Cross section	5 mm x 3 mm (0.20 inch x 0.12 inch)
Bend Radius	6mm (0.25 inch) minimum
Connector Pull Strength	20 Kg (44 lbs) maximum

General

Connector Housing Dimensions	Without the HDMI pluggable end
	1.45 inch x 0.48 inch x 0.32 inch (36.83mm x 12.26mm x 8.03 mm)
	Total length including HDMI plug and Strain relief: 2.77 inch
Temp/humidity	Storage: -4 to +158 °F (-20 to +70 °C) / 5% to 90%, non-condensing
	Operating: +32 to +122 °F (0 to +50 °C) / 10% to 85%, non-condensing
Regulatory	CE, RoHS
EMI/EMC	CE, FCC Class A