



## PH904-xxM

DP 1.2a – HDMI 2.0 Adapter Cable

Product number:7.05

## Summary

**PH904-xxM** is a DP-HDMI adapter cable designed for video processors with a transmission rate of 18Gbps, supporting resolutions up to 3840x2160@60Hz. The 30AWG cable is made with multi-strand tinned copper wire with three-layer shielding, a thick PVC outer jacket, metal tinplate connectors, 15 $\mu$  gold-plated pins and locking HDMI screws, which make connections stable and reliable. Comes with transparent heat shrink tubing for labelling, protective connector cap and Velcro straps for easy storage. With its high durability and ease of storage, this product meets and exceeds the demands of repeated use in rental and staging applications. Available in 2.5 meter and 5 meter lengths.

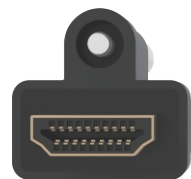
## Product view



DP-HDMI Front



DP-HDMI Side

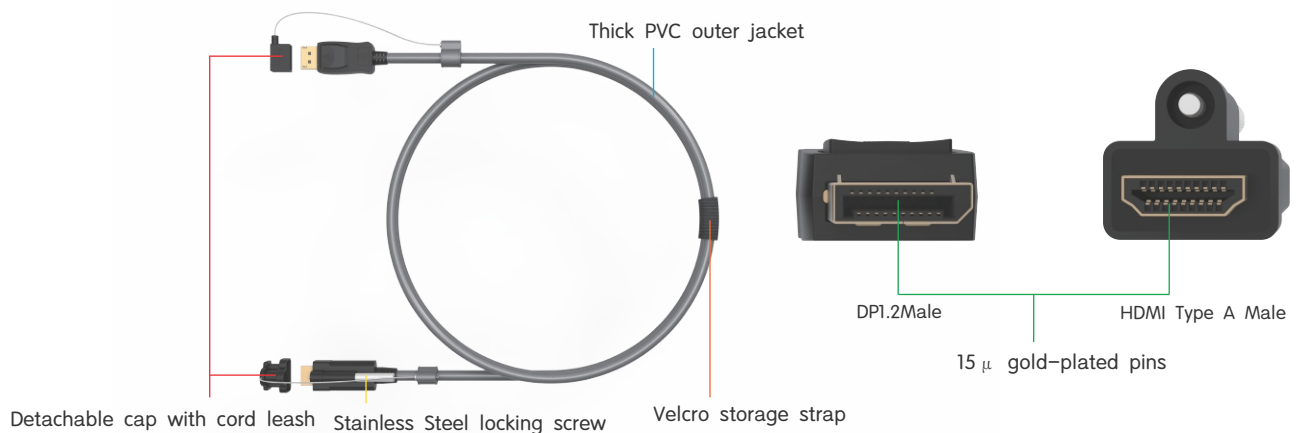


DP-HDMI Interface

## Technical Characteristics

- ◆ DDP1.2-male to HDMI-male adapter cable in 2.5 meter and 5 meter lengths.
- ◆ Active conversion technology with built-in 15kV anti-static protection.
- ◆ Transmission rate of 18Gbps and fully HDMI 2.0 compliant.
- ◆ Maximum resolution of 3840 x 2160@60Hz 4:4:4.
- ◆ PVC outer jacket and 28AWG multi-strand tinned copper wire.
- ◆ Three-layer shielding structure and 85% copper weaving rate.
- ◆ Zinc alloy housing with locking HDMI screws for reliable connections.
- ◆ 15µm gold-plated pins support more than 1,000 cycles of repeated plugging and unplugging.
- ◆ Comes with protective caps and Velcro strap for easy storage.
- ◆ Suitable for repeated deployment in the rental and staging market.

## Product Details

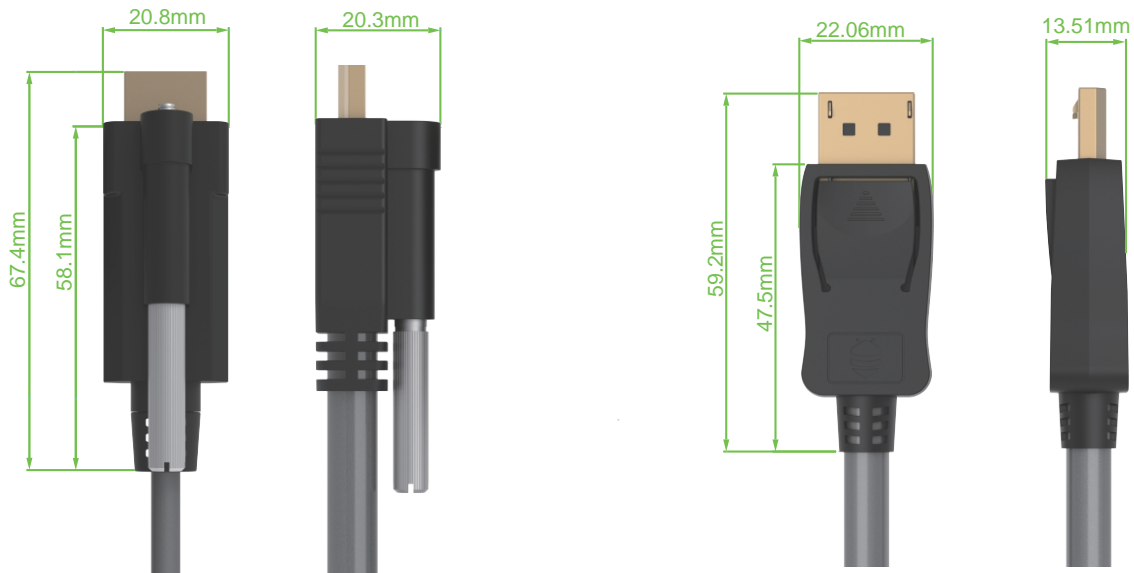


## Product parameter

Name	Parameter
Signal Type	DP 1.2a, HDMI 2.0
Conversion Method	Active
Input Connector Type	DP Male
Output Connector Type	HDMI Type A Male
Environmental Info	RoHS 2.0 Compliant
Connector Gold Plating	Shell: 3μm; Pins: 15μm
Connector Dimensions	DP: 59.2*22*13.5mm; HDMI: 67.4*20.8*20.3mm
Connector Structure(DP)	Plug plate + Inner mold + Shielding case + Copper foil + SR outer mold + Shell + Protective cap
Connector Structure(HDMI)	Active PCB board + SR outer mold + Shell + Screw + Protective cap
Internal Mold(DP)	Transparent PE material
Shielding Case (DP)	Upper and lower assembled metal case
SR Outer Mold(HDMI)	45P black PVC injected mold
Copper Foil (DP)	Double-sided conductive copper foil
Shell(DP)	45P PVC injection molded shell (UL, RoHS);
Shell(HDMI)	Zinc alloy upper and lower assembled shell
Locking Connector(HDMI)	Stainless steel screw
Locking Connector (DP)	Standard DP press-style locking mechanism
Protective Cap	Detachable cap with cord leash
Components	Conductor + Copper foil + Mylar + Braid + Jacket
Conductor Material	Stranded tinned copper
Conductor Diameter	28AWG
Braid Material	16*10 braided copper wire
Shielding Rate	7 mesh 85% shielding rate
Jacket Material	90P PVC (UL, RoHS)
Cable Diameter	7.4mm
Cable Color	Fluorescent gray
Cable Meter Marking	Waterproof Yellow Text
Velcro	P-shaped Velcro Strap: 20*200mm
EDID	Yes
DDC	Yes
HDMI Audio	Yes
3D	Yes
CEC	Yes
ARC	Yes
HDCP	Yes
HDR	Yes
XvYCC Color Space	Yes
ESD	Yes

Name	Parameter
Compatibility	Backward compatible with DP 1.1 / 1.0 version
Supported Resolutions	3840 x 2160@60Hz
Clock Bandwidth	600MHz*3
Transmission Rate	18Gbps
Plug and Play	Yes
Delay	Zero
Deep Color	Yes
Color Sampling Rate	RGB 4:4:4 、 YUV 4:4:4、 YUV 4:2:2、 YUV 4:2:0
Compression	None
Electrical Test (Voltage)	Voltage:DC 300V
Impedance Test (Insulation)	Insulation resistance: $\geq 10M\Omega$
Impedance Test (Continuity)	On-resistance: $\leq 2\Omega$
Tensile Strength	$\leq 400N$
Bending Angle	120°
Operating Temperature	-30℃ ~75℃

## Dimensional drawing



- Connector Dimensions(DP) 59.2\*22\*13.5mm
- Connector Dimensions(HDMI) 67.4\*20.8\*20.3mm
- Bag Size 37\* 29cm
- Carton Size 46 \* 33 \* 26cm