TP906–xxM

## USB3.1 Type C – DP1.2 Adapter Cable

Product number:7.07

Summary

TP906-xxM is a USB-C to DP adapter cable designed for the professional audio and video industry. It is 2.5 meters long, employs active conversion, has a transmission rate of 21.6Gbps, and supports a maximum resolution of 3840x2160@60Hz. The 30AWG cable is made with multi-strand tinned copper wire with three-layer shielding, a thick PVC outer jacket, metal tinplate connector, and 15 μ gold-plated pins, 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.

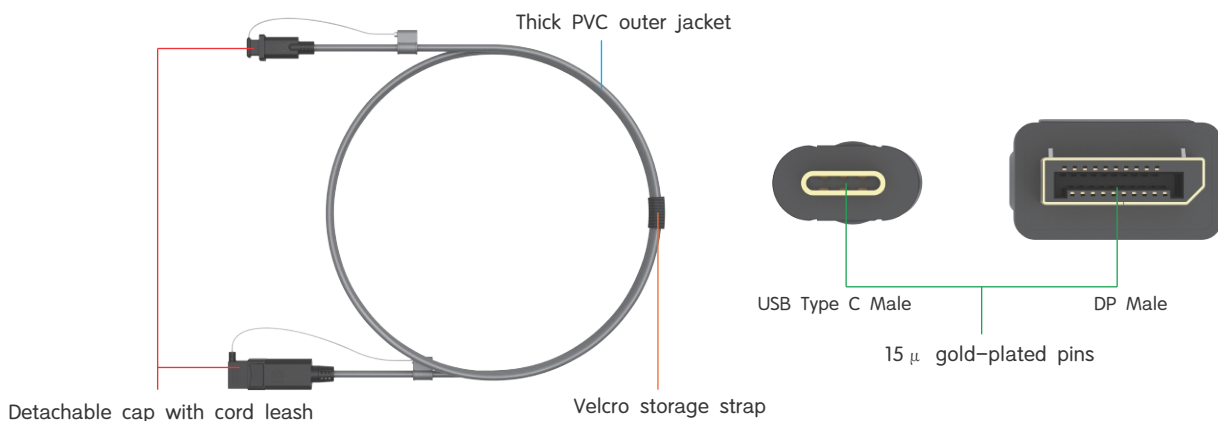# Product view
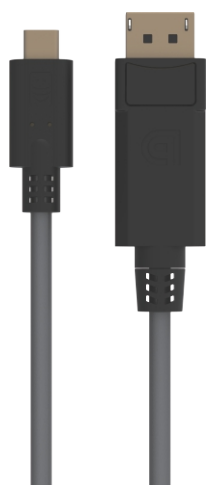
TypeC-DP Male Front

TypeC-DP Male Side

TypeC-DP Male interface

Technical Characteristics

✦ USB-C male to DP male adapter with a length of 2.5 meters.

✦ Fully USB 3.1 compliant with active conversion technology and built-in 15kV

anti-static protection.

✦ Compliant with DP 1.2 standards with a maximum transmission rate of 21.6Gbps.

✦ Supports resolutions up to 3840x2160@60Hz 4:4:4.

✦ PVC outer jacket and 30AWG multi-strand tinned copper wire.

✦ Three-layer shielding structure and 85% copper weaving shielding rate

✦ Zinc alloy housing for reliable connections.

✦ 15μm gold-plated pins support more than 1,000 cycles of repeated

plugging and unplugging.

✦ Comes with protective cap and Velcro strap for easy storage.

✦ Suitable for repeated deployment in the rental and staging market.

Product Details

Thick PVC outer jacket

USB Type C Male

DP Male

15μ gold-plated pins

Detachable cap with cord leash

Velcro storage strap

Product parameter

Name	Parameter
Signal Type	USB3.1, DP1.2
Conversion Method	Active
Input Connector Type	USB Type C Male

Name	Parameter
Output Connector Type	DP Male
Environmental Info	RoHS 2.0 Compliant
Connector Gold Plating	Shell: 3μm; Pins: 15μm
Connector Dimensions	USB Type C: 42.2*14.8*8.9mm; DP Male: 69*20.8*12.3mm
Connector Structure (Type C)	PPlug plate + Inner mold + Copper foil + Housing
Connector Structure (DP)	Active PCB board + SR outer mold + Shell + Screw + Protective cap
Internal Mold(Type C)	Transparent PE material
SR Outer Mold (DP)	45P black PVC injected mold
Copper Foil (Type C)	Double-sided conductive copper foil
Shell(Type C)	45P PVC injection molded shell (UL, RoHS);
Shell(DP)	Zinc alloy upper and lower assembled shell
Locking Connector(DP)	Standard DP press-style locking mechanism
Protective Cap(DP)	Detachable cap with cord leash
Components	Conductor + Copper foil + Mylar + Braid + Jacket
Conductor Material	Stranded tinned copper
Conductor Diameter	30AWG
Braid Material	16*10 braided copper wire
Shielding Rate	7 mesh 85% shielding rate
Jacket Material	90P PVC (UL、RoHS)
Cable Diameter	5.4mm
Cable Color	Fluorescent gray
Cable Meter Marking	Waterproof Yellow Text
Velcro	P-shaped Velcro Strap: 20*200mm
EDID	Yes
3D	Yes
CEC	Yes
ARC	Yes
HDCP	Yes
HDR	Yes
AUX Channel	Yes
High-speed Ethernet	Supports extended high-speed ethernet
Extended USB	Supports extended USB 2.0 / USB 3.1
Extended Audio	Supports extended 32 channels of audio
BT.2020 Color Space	Yes
Compatibility	Backward compatible with DP 1.1a / 1.1 version
ESD	Yes
Supported Resolutions	3840 x 2160@60Hz
Clock Bandwidth	540MHz*3
Transmission Rate	21.6Gbps
Plug and Play	Yes
Delay	Zero

Name	Parameter
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: ≥ 10MΩ
Impedance Test (Continuity)	On-resistance：≤ 2Ω
Tensile Strength	≤200N
Bending Angle	135°
Operating Temperature	−30℃~75℃

Dimensional drawing
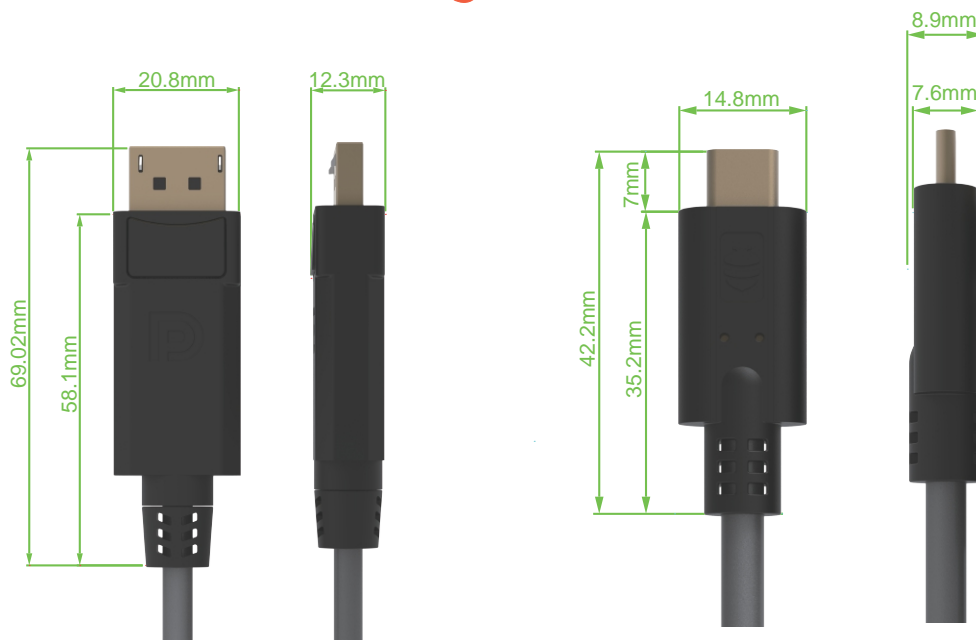
- Connector Dimensions(USBTypeC)   42.2*14.8*8.9mm
- Connector Dimensions(DP)   69*20.8*12.3mm
- Bag Size   37* 29cm
- Carton Size   46 * 33 * 26cm

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