ADPMIxx-CC

DP-DP 1.4 Active Optical Cable
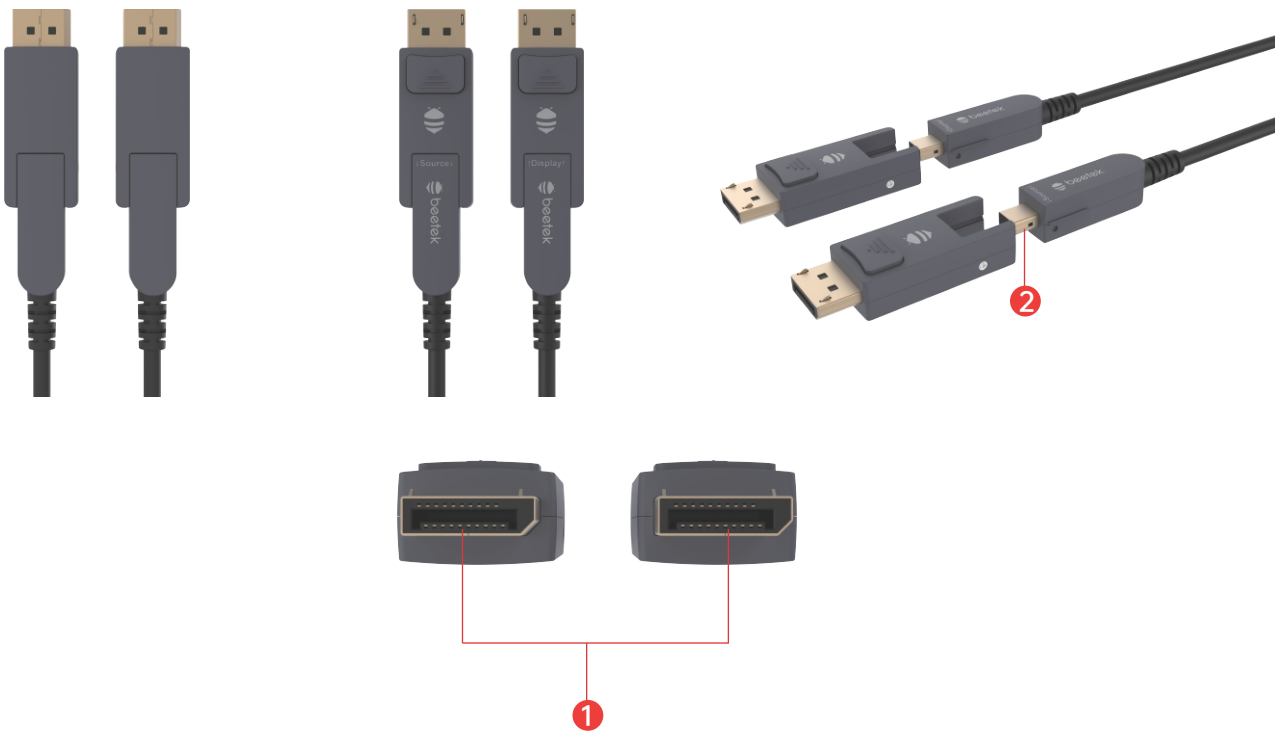## (Dual-end Detachable)

Product number:4.10

Summary

ADPMIxx-CC is a DP1.4 long-distance active optical cable with detachable heads at both ends, which does not require external power, and plug and play like common copper cables. By combining optical fibers together with copper in the same cable, it can transmit a lossless DP 1.4 signal without compression or delay at a maximum resolution of 7680×4320@30Hz 4:4:4. Its PVC material sheath, zinc alloy shell, gold-plated copper shell connectors, and availability in different lengths up to 100 meters are suitable for fixed installations and residential applications that require conduit wiring. Can be configured as miniDP-miniDP, miniDP-DP, DP-DP, DP-miniDP.

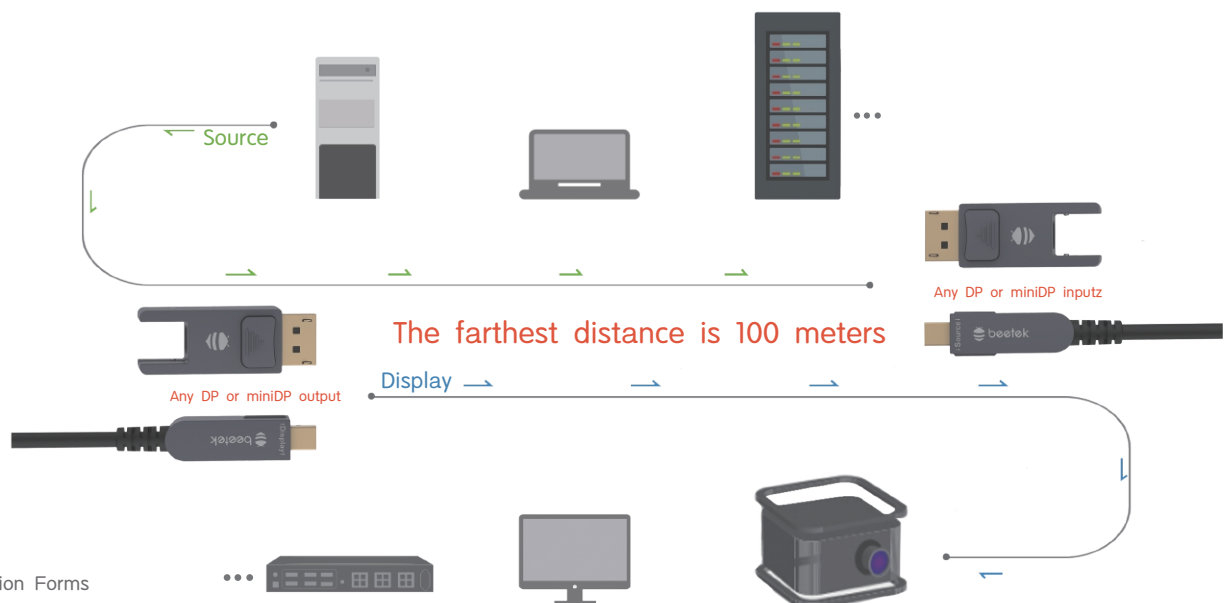| DP DisplayPort 1.4	Zero frame delay	uncompressed	HDCP 2.3	3D threedimensional	ARC Audio Return Channel	HDR High-Dynamic Range

Product view

nember	name	number	name
❶	DP Male	❷	MiniDP

Technical Characteristics

✦ DP1.4 active optical cable in lengths up to 100 meters, with both ends detachable for laying in conduit.

✦ No power supply needed, just plug and play like a common cable.

✦ DP connectors are detachable for ease of laying in conduit.

✦ Lossless video extension without compression or delay, 100% restoration of source signal.

✦ The transmission rate is 32.4Gbps and supports up to 7680x4320@30Hz.

✦ Constructed with PVC material sheath, zinc alloy housing, and gold-plated copper shell connectors.

✦ Made with multi-mode OM3 optical fiber and multi-strand tinned copper wire.

✦ Full-featured DP1.4 interface, support HDR, HDCP, ARC, CEC, AUX and 3D

✦ Suitable for fixed installation, residential and other applications.

✦ Pair with Beetek's DF and PCD Series cable reels for easy deployment.

Product Details

Source

The farthest distance is 100 meters

Any DP or miniDP inputz

Any DP or miniDP output

Display

Combination Forms

DP-miniDP DP-DP

miniDP-DP miniDP-miniDP

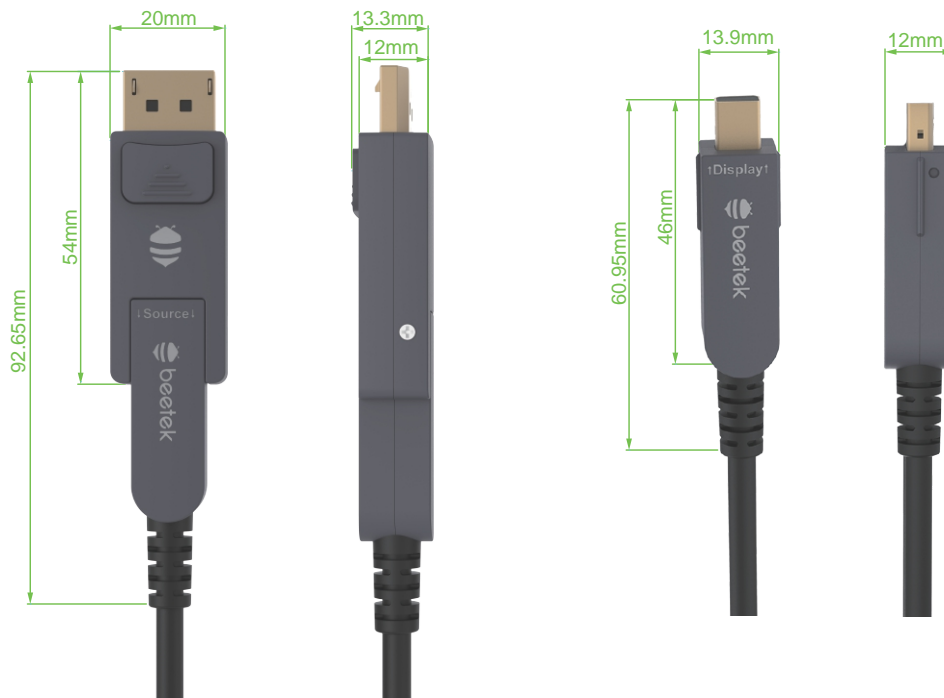（*When both ends use DP heads, it is recommended to not exceed 4K@60Hz, due to possible adapter loss）

∗ ADPMIxx-CC is a unidirectional active optical cable, so please determine the correct direction before deploying cable

(Connect the 'Source' end to the signal output device and the 'Display' end to the display device)

Product parameter

name	parameter
Signal Type	DP1.4
Input Connector Type	DP Male
Output Connector Type	DP Male
Connector Gold Plating	Gold-plated Copper Shell
Connector Structure	Zinc Alloy mold
Connector Dimensions	DP Male: 92.7*20*13.3mm; Detachable connector: 61*13.9*12mm
In-wall Installation	Yes
Combination Forms	miniDP-miniDP、miniDP-DP、DP-DP、DP-miniDP
Power from connector (TX)	Yes
Cable power supply (RX)	Yes
Power	250mw
Plug-n-Play	Yes
Cable Structure	Optical fiber + inner jacket + Kevlar + copper wire + aluminum foil + outer jacket
Fiber Type	Multi-mode OM3 * 4
Fiber Wavelength	850~1300nm
Copper Wire Material	8 multi-strand tinned copper wires
Copper Wire Specification	24AWG*1 、26WAG*2、28AWG*3、30AWG*2,
Cable Diameter	4.8 mm
Jacket Material	80P PVC
Jacket Color	Black
EDID	Pass-through
3D	Yes
CEC	Yes
ARC	Yes
HDCP	HDCP2.3
HDR	Yes
AUX Channel	Yes
High-speed Ethernet	Yes
USB	USB2.0/USB3.1
Audio Channels	32
BT.2020 Color Space	Yes
Technical Characteristics	Photoelectric Conversion Technology
Optical Module Lifetime	100,000 hours
Resolution	7680×4320 30Hz
Clock Bandwidth	810MHz*4
Transmission Rate	32.4Gbps
Reclocking Chip	Support above 30 meters
Pixel Reclocking	Yes
ESD protection	Yes

name	parameter
Hot Swap	Yes
Delay	Zero frame delay
Compression	None
Sampling Rate	8~16bit within the bandwidth range
Sampling Ratio	RGB 4:4:4 、YUV 4:4:4、YUV 4:2:2、YUV 4:2:0
Anti-jamming	Yes
Tensile Strength	≤200N
Compressive Strength	1000N /10cm
Minimum Bending Radius	Dynamic > 10D (*D is the outer diameter of the cable)
Operating Temperature	-30-80℃

Dimensional drawing

- Connector Dimensions　　DP Male: 92.7*20*13.3mm；

　　　　　　　　　　　　　　Detachable connector: 61*13.9*12mm

- Packing Dimensions　　　Short-length 10 - 40M：240*230*75mm

　　　　　　　　　　　　　　Medium-length 50 - 60M：290*280*75mm

　　　　　　　　　　　　　　Long-length 70 - 100M：340*330*75mm

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