

# ADV1xx

## DVI Active Optical Cable

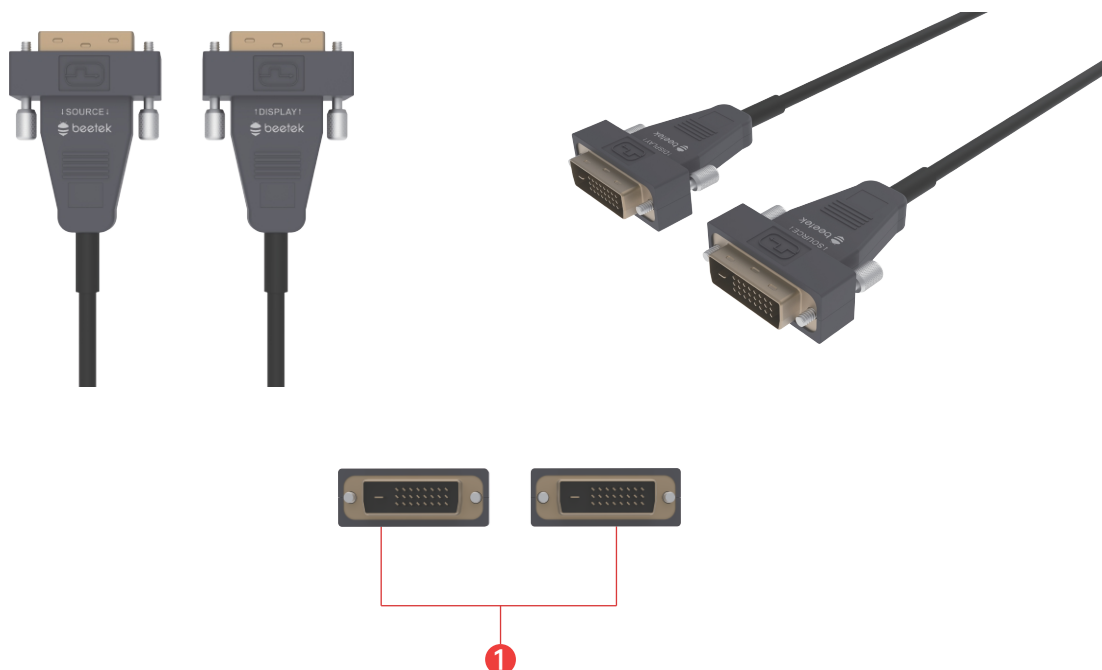
Product number:4.12

## Summary

**ADVIxx** is a DVI-SL long-distance active optical cable that requires no external power and is plug-and-play, just like a common copper cable. 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 1920x1080@60Hz 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 rental and staging and fixed installations.



## Product view

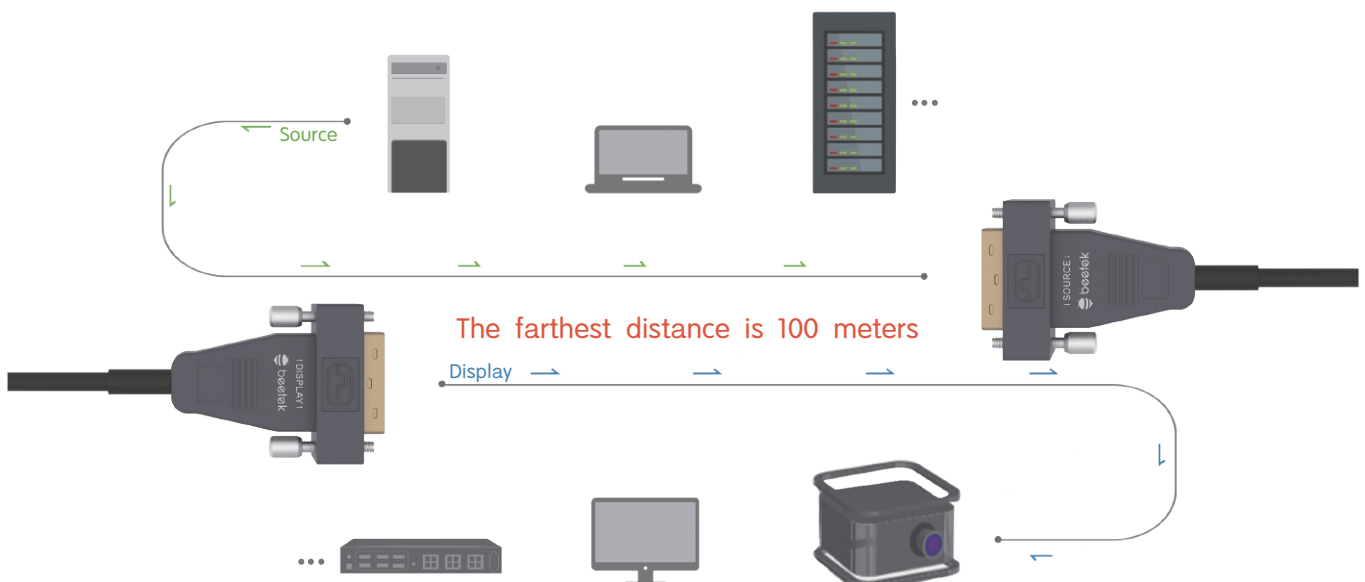


number	name	number	name
1	DVI-D		

## Technical Characteristics

- ◆ DVI active optical cable in lengths up to 100 meters.
- ◆ No power supply needed, just plug and play like a common cable.
- ◆ Lossless video extension without compression or delay, 100% restoration of source signal.
- ◆ The transmission rate is 4.95Gbps and supports up to 1920x1080@60Hz.
- ◆ 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.
- ◆ Suitable for fixed installation and other applications.
- ◆ Pair with Beetek's DF and PCD Series cable reels for easy deployment.

## Product Details



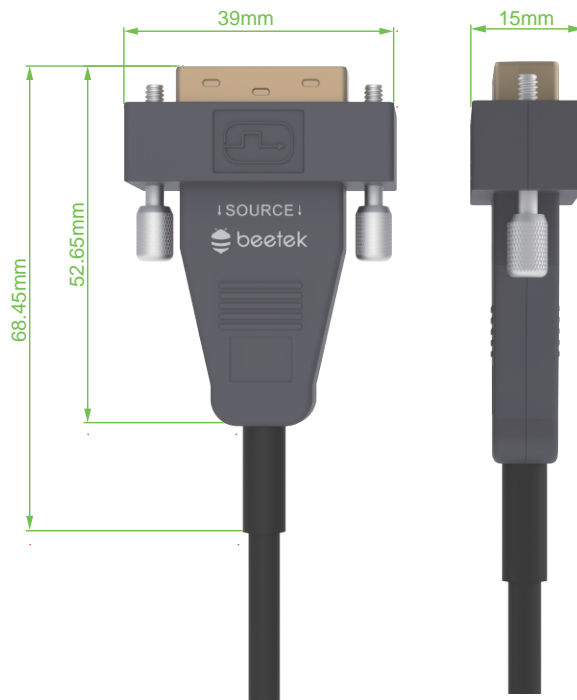
\* ADV1xx is a unidirectional active optical cable, so please determine the correct direction before deploying cable (Connect the 'Source' end to the signal output device and the 'Display' end to the display device)

## Product parameter

name	parameter
Signal Type	DVI (SL)
Input Connector Type	DVI-D
Output Connector Type	DVI-D
Connector Gold Plating	Gold-plated Copper Shell
Connector Structure	Zinc Alloy mold
Connector Dimensions	DVI-D:68.5*39*15mm
DVI Locking Connector	Yes
In-wall Installation	Not supported
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
Fiber Wavelength	850~1300nm
Copper Wire Material	5 multi-strand tinned copper wires
Copper Wire Specification	26WAG*3、28AWG*2
Cable Diameter	4.0mm
Jacket Material	80P PVC
Jacket Color	Black
EDID	Pass-through
DDC	Yes
HDMI Audio	Yes
3D	Yes
CEC	Yes
ARC	Yes
HDCP	HDCP2.3
HDR	Yes
XvYCC Color Space	Yes
Technical Characteristics	Photoelectric Conversion Technology
Optical Module Lifetime	100,000 hours
Resolution	1920x1080@60Hz
Clock Bandwidth	165MHz*3
Transmission Rate	4.95Gbps
Reclocking Chip	Support above 30 meters
Pixel Reclocking	Yes
ESD protection	Yes
Hot Swap	Yes
Delay	Zero frame delay
Compression	None

name	parameter
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	≥10D (*D is the outer diameter of the cable)
Operating Temperature	-30~80℃

## Dimensional drawing



- Connector Dimensions DVI-D: 68.5\*39\*15mm
- Packing Dimensions
  - Short-length 10 – 40M: 240\*230\*75mm
  - Medium-length 50 – 60M: 290\*280\*75mm
  - Long-length 70 – 100M: 340\*330\*75mm