## System requirements

- Check Source and Display parameters to meet the maximum resolution and standard compatibility of the Product.

- Do not apply extra force or bend cable over its minimal radius.

- Since HFOC-100A uses Hybrid Technology, it does not provide galvanic isolation between Source and Display interface ports (same as generic copper cable). Avoid to install active hybrid cables when system has a ground loops issues or different line power phase used at Source and Display installation points. It could result in failures and electrical damages of connected equipment interfaces.

- No external power supply is needed, HFOC-100A is designed to use +5V internal power supplied through the Source HDMI port.

- Do not use any intermediate cables or adapters between Source and Display ports and the cable connectors.

- Do not connect or disconnect cable while Source and Display Devices are powered On.

## Installation

**STEP 1** **Carefully unpack the contents of the shipping group.**

**STEP 2** **Twist the front and rear cover, distinguish both ends internal connectors.**

**STEP 3** **Power O ffall devices.**

**STEP 4** **Plug 'Source' labeled connector directly to the HDMI output interface of the Source device (Blu-Ray, Media player, PC or laptop).**

**STEP 5** **Plug 'Display' labeled connector directly to the HDMI input interface of the Display device (Monitor, Projector or Videowall).**

**STEP 6** **Power On the Display device, then Source Device.**

**STEP 7** **Check and correct resolutions settings at Source Device according Display if needed.**

**STEP 8** **Enjoy Clear and High Resolution Picture.**

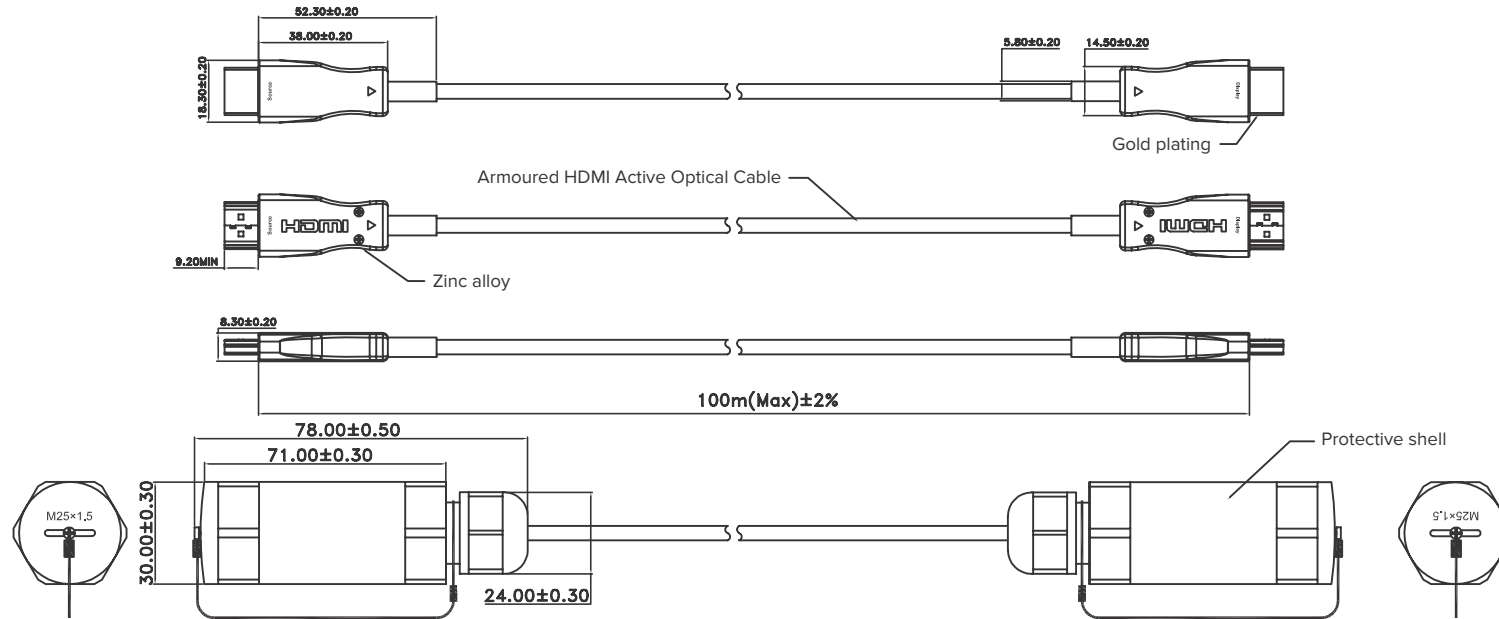# Qsignal

## HFOC-100A

### User's Manual

## HDMI 2.0 Fiber Optic Active Armoured Cable

**Qsignal HFOC-100A** cables series designed to meet extremely high requirements of modern audio-visual systems with harsh environments. Cables can support up to Ultra HD 4K resolutions, 4:4:4 color sub-sampling along with multichannel audio include ARC feature.

**HFOC-100A** supports throughout transmission of EDID signals from a display to source device and compatible with HDCP encrypted signals. Two miniature converter boards integrated into the HDMI interface connectors at both cable ends, covered by protective caps.

**HFOC-100A** is designed for maximum protection from mechanical damaging with helical steel tape armoring, at the same time polyurethane jacket and aramid fiber give good flame retardant effect. Additionally it gives good protection for cable when pulling it. The installation is simple as for a general copper HDMI cable. Thanks to its design and hybrid technology, Qsignal HFOC-100A cables do not require external power supply and should be powered directly by the HDMI interface of the source device. Cables are premade at different lengths from 5 to 100 meters long.

Gold plating

Armoured HDMI Active Optical Cable

Zinc alloy

Protective shell

52.30±0.20
38.00±0.20
18.30±0.20
5.80±0.20  14.50±0.20
9.20MIN
8.30±0.20
100m(Max)±2%
78.00±0.50
71.00±0.30
30.00±0.30
M25×1.5
24.00±0.30

## Product Specifications:

- Product type: Active Fiber Optic Cable
- Complies with HDMI 2.0 Specifications
- Supports resolutions up to 4096x2160 pixel at 60Hz
- Supports color sub-sampling RGB/YUV 4:4:4
- Supports CEC, EDID, HDCP1.4/2.2 signals transmission
- Hybrid structure: 4x OM3 fiber cores with 7x 30AWG copper wires
- Helical steel tape armoring, SUS 304 0.3mm
- Aramid fiber, decitex 2000D, flame retardant
- Round Cable TPU jacket, flame, ultraviolet, acid, alkali and oil retardant, Color Black
- The maximum cable length is 100 meters
- High quality connectors with gold plated pins
- Powered by HDMI source (up to 200mA) without external power supply
- Maximum tensile load: 200N
- Minimum bending radius: 20mm

## Environmental Specifications:

- Operating temperature: 0°C to 50°C
- Storage temperature: - 20°C to 70°C
- Humidity: 10% to 90%

## Shipping Specification:

- HFOC-100A cable reel 1 pcs.
- User manual 1 pcs.
- Packing: Carton Box (size and weight depends on cable length)

## Warranty Information:

Qsignal warrants all optical extension cables to be free from defects in workmanship and materials, under normal use and service, for a period of one (1) year from the date of purchasing from authorized reseller. If a product does not work as it warranted during this period, Qsignal will repair or replace the defective product or its part. Replacement products may be new or reconditioned. Warranty ends if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or servicing other than by Qsignal or its authorized centers, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.