

# FURUTECH

PURE TRANSMISSION



## HF-A-NCF HDMI 8K V2.1 AOC cable

**ULTRA HIGH-SPEED HDMI™ CABLE (8K/60p/48Gpbs)**

**Featuring NCF**

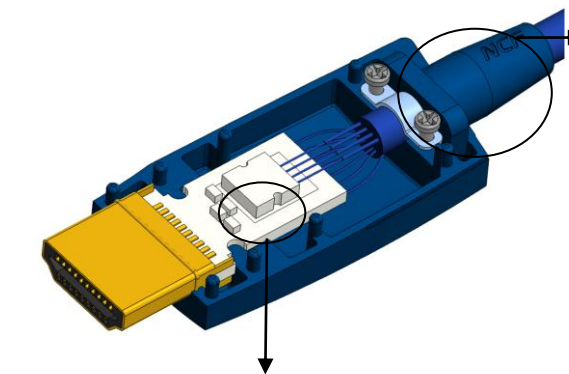
**Optic Fiber and  $\alpha$  - Conductor Hybrid Cable (Active Type)**



### Features:

#### NCF strain relief (Multi-material Hybrid Construction)

Incorporates Furutech's top anti-static resonance damping NCF material – eliminating electrical/mechanical vibration and static derived noise, increasing picture and sound resolution, boosting color vividness, and delivering blacker backgrounds. NCF features a special crystalline material that has two 'active' properties. First, it generates negative ions that eliminate static. Second, it converts thermal energy into



**Special photoelectric conversion chips**

far infrared. Furutech combines this remarkable material with nano-sized ceramic particles and carbon powder for their additional 'piezoelectric effect' damping properties. The resulting Nano Crystal<sup>2</sup> Formula is the ultimate electrical and mechanical damping material. Created by Furutech, it is found exclusively in Furutech products.

### Noise Resistant

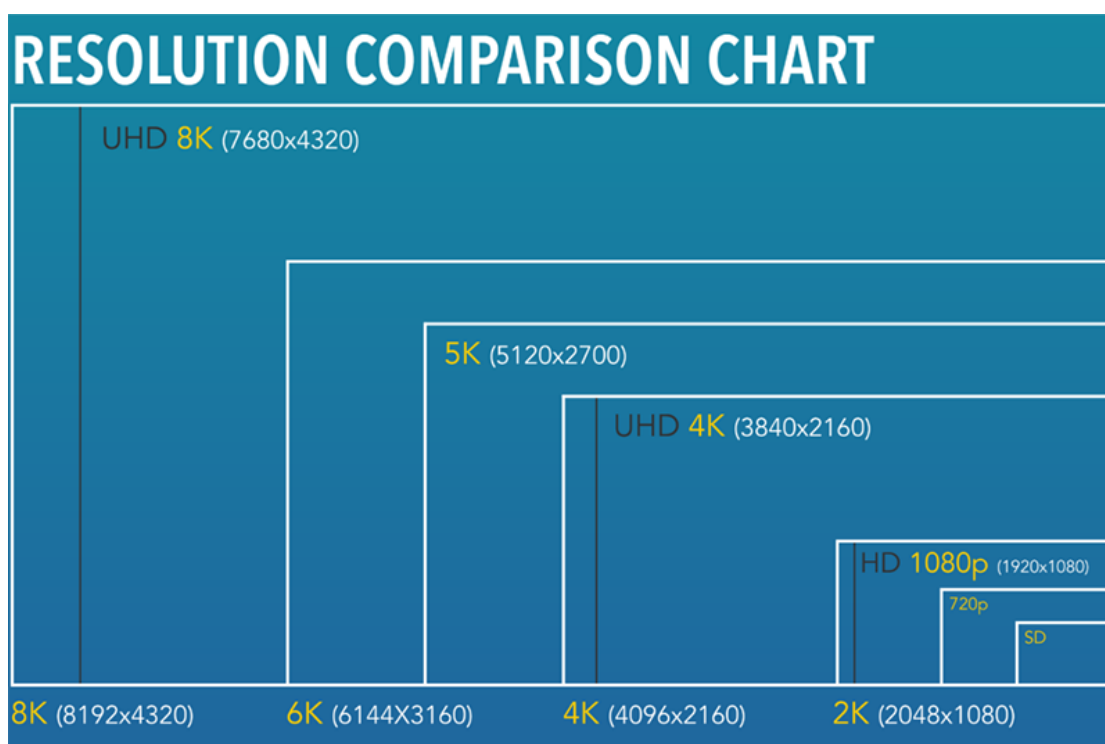
The HDMI-HF-A-NCF features the latest in optical transmission technology with its connectors incorporating special photoelectric conversion chips to deliver ultimate balanced signal

amplification. Even over distances that are susceptible to noise and signal degradation, the HDMI-HF-A-NCF will deliver stable and near lossless 8K signal transmission (Power not required – Plug'n Play).

### HF-A-NCF optical fiber

The HF-A-NCF features OM3 “optical multi-mode” optical fiber, which has higher transmission speed and bandwidth than OM1 and OM2. It also has a bending diameter of OM3 is 20mm, making it easier to use in environments where fiber installation is difficult or in complex piping. This extreme quality HF-A-NCF AOC cable (Optic Fiber and α- Conductor Hybrid Cable) is produced in a micro-precision ISO 7 (Class 10,000) dust-free factory.

### Resolution Comparison Chart



- Supported Bandwidth: Superior 48Gbps (GB/sec) bandwidth delivering ULTRA HIGH SPEED HDMI™ CABLE 8K/60p
- Supported signal specifications: 8K/60p/48Gbps , 4K/120p/32.08Gbps , HDCP1.4/2.2/2.3, eARC/ARC, HDR10/HDR10<sup>+</sup> , VRR/60Hz~240Hz(Refresh rate) , DSC, QMS, QFT, ALLM.

- Aluminum alloy connector with thick gold-plated contacts:



Zinc and aluminum alloy metal connector covers - textured to reduce the influence of vibration. HDMI A connector parts treated with Furutech's  $\alpha$ (Alpha)-Process (2-Step Alpha Cryogenic and Demagnetizing Process) to deliver stable, optimized signal transmission. Thick layer of gold plating on contacts with minimal magnetism offer reliable and stable transmission with extreme performance.

- Double Layer Aluminum Foil Shields prevent Static and EMI.
- Exceeding stipulated specifications for Crosstalk and Noise, the HDMI-HF-A-NCF features double aluminum foil shielding for each twisted conductor.
- Featuring tension resistant Kevlar Synthetic Fiber to withstand external stresses.
- Antiresonance Sheath: passing UL/CL3 flame resistance testing and RoHS compliant, the very flexible PVC used in the HDMI-HF-A-NCF will reduce effects of electrical and mechanical resonance on signal transmission.
- The HDMI-HF-A-NCF cable has been purposely limited to a diameter of 4.7mm to produce an extremely light and flexible cable that delivers the highest possible performance.

**HDMI 8K V2.1 Ultra-High-Speed HDMI™ Cable Certified Lengths:** (5M/16.4ft, 7.5M/24.6ft, 10M/32.8ft, 15M/49.2ft, 20M/65.6ft only)



### Important caution for when connecting Active Type Cables

**Active Type HDMI Cables are directional. If the cable is connected in the incorrect direction, signal will not be transmitted, so please note the directions labeled on the connectors [Display] [Source] .**

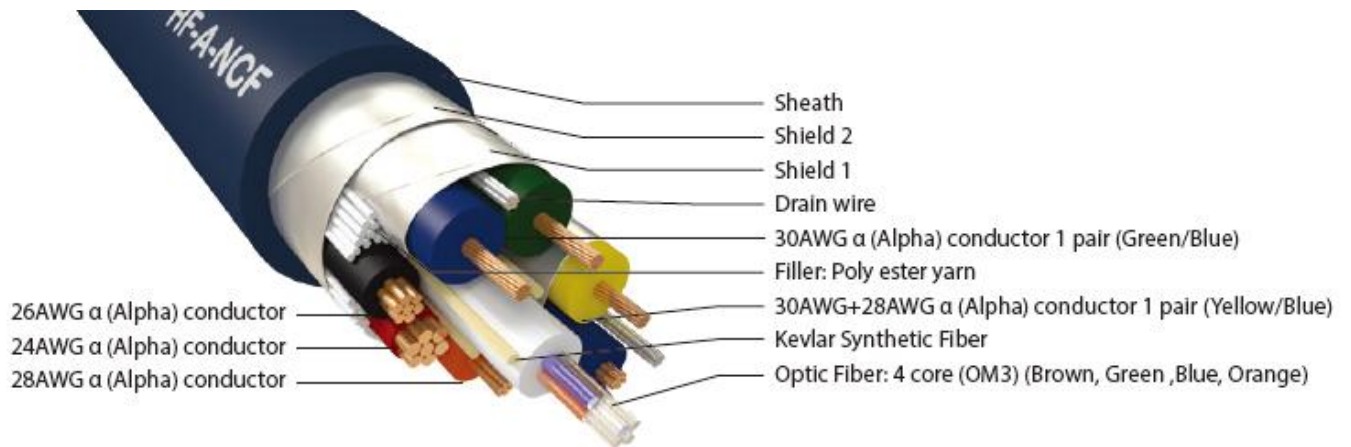
**[Source] Ultra High Speed HDMI™ CABLE → HF-A-NCF → → → FURUTECH CABLE [Display]**

Diameter: 4.7±0.2mm approx.

Production Lengths: 1.5M (4.9ft) /3.0M (9.8ft) /5.0M (16.4ft)/7.5M (24.6ft)/10M (32.8ft)

/15M (49.2ft)/20M (65.6ft)

**Cable Construction and Materials:**



**Conductor:** α (Alpha) conductor treat with the α(Alpha)-Process (2-Step Alpha Cryogenic and Demagnetizing Process)

**Insulation:** Special high-density Polyethylene (24AWG α(Alpha) conductor) and special LSZH for FIBER and others α(Alpha) conductors are FOAM-PE-SKIN.

**Shield 1:** Conductive aluminum foil shield prevents static and EMI.

**Shield 2:** Conductive aluminum foil shield prevents EMI, FFI, RFI.

**Sheath:** RoHS compliant and fire-resistant UL/CL3 grade flexible PVC.

Product name	Product Introduction	JAN CODE
HF-A-NCF 1.5M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444254
HF-A-NCF 3.0M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444261
HF-A-NCF 5.0M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444278
HF-A-NCF 7.5M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444285
HF-A-NCF 10.0M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444292
HF-A-NCF 15.0M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444308
HF-A-NCF 20.0M	ULTRA HIGH-SPEED HDMI™ AOC CABLE 8K V2.1	4580370444315

※1.5M (4.9ft) & 3.0M (9.8ft) tested to Furutech inhouse standards.

※5.0M (16.4ft)/7.5M (24.6ft)/10M (32.8ft)/15M (49.2ft)/20M (65.6ft) ATC 8K V2.1 certified.

※Main metal parts treated with Furutech’s α(Alpha)-Process (2-Step Alpha Cryogenic and Demagnetizing Process)

 NCF® is a registered trademark of Furutech Co., Ltd. Japan

**FURUTECH CO., LTD.**

**[www.furutech.com](http://www.furutech.com)**

**[service@furutech.com](mailto:service@furutech.com)**