

PRESS RELEASE
for immediate attention
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New HF-A-NCF ultra-high speed HDMI Active Optical Cable (AOC) from Furutech



Japanese cable and connector specialist Furutech announces the launch of a brand new HDMI cable for improved audio and video performance.

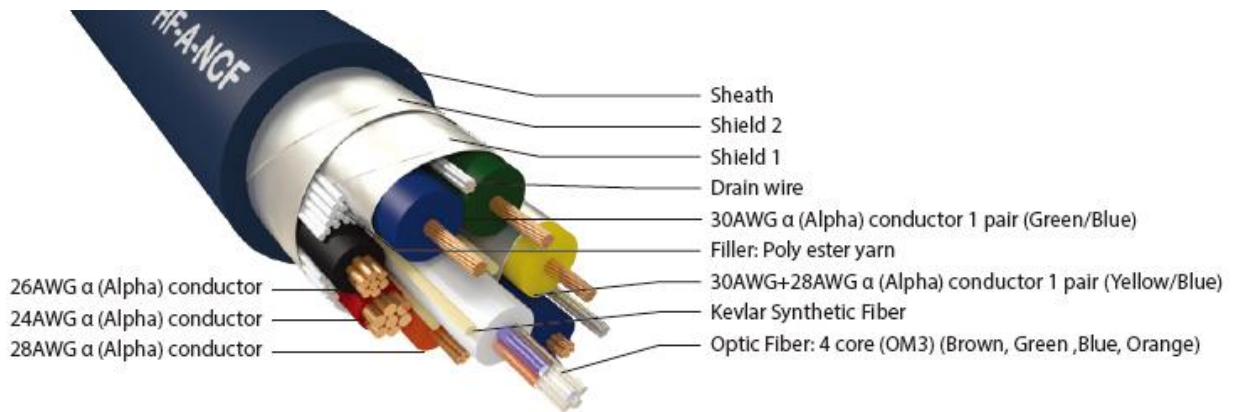
HDMI Active Optical Cable (AOC) uses fibre optic technology to transport the digital HDMI signal, enabling lossless signal transfer over far greater distances than is possible with standard copper HDMI cables, and reducing the risk of EMI and RFI interference.

The HF-A-NCF's cable clamp incorporates Furutech's proprietary electrical and mechanical damping material, NCF (Nano Crystal² Formula). NCF features a special crystalline material with two 'active' properties. First, it generates negative ions that eliminate static. Second, it converts thermal energy into far infrared. Furutech combines this material with nano-sized ceramic particles and carbon powder for their additional 'piezoelectric effect' damping properties. Electrical and mechanical vibration and static derived noise are eliminated, which increases picture and sound resolution, delivers blacker backgrounds and boosts colour vividness.

The cable's connectors features special photoelectric conversion circuitry to deliver the ultimate in balanced signal amplification. The optical converter circuitry is powered by the HDMI interface, so there is no need for power from an external supply.

All metal parts are treated with Furutech's trademark two-stage 'Alpha' cryogenic and demagnetization process, designed to render the metal stress-free, stable and highly electrically conductive, enabling that all-important Furutech goal of 'pure transmission'.

Key features and specifications of the HF-A-NCF include:



- Four OM3 multi-mode optical fibres. OM3 delivers a higher transmission speed and bandwidth than OM1 and OM2, and has a bending diameter of 20mm, making it easier to use in environments where fibre installation is challenging or complex.
- Seven high grade copper conductors for communication protocols.
- Tension-resistant Kevlar fibre to add strength and withstand external stresses.
- Optimum insulation materials throughout, including high-density polyethylene for the 24AWG copper conductors and special LSZH insulation for the optical fibres; all copper conductors are insulated with FOAM-PE-SKIN.
- Double layer aluminium foil shielding for each twisted conductor to prevent EMI and eliminate noise and crosstalk.
- A robust yet highly flexible anti-resonance sheath, further reducing the effects of electrical and mechanical resonance on signal transmission.
- Zinc and aluminium alloy metal connector covers, textured to reduce vibration. Minimal magnetism contacts are plated with a thick layer of gold to deliver reliable and stable transmission for extreme performance.

The 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. Even over distances that would normally introduce noise and signal degradation, the HF-A-NCF will deliver stable and near-lossless 8K signal transmission.

Specifications

- Diameter: 4.7mm (±0.2mm) approx.
- Production lengths: 1.5m (4.9ft), 3m (9.8ft), 5m (16.4ft), 7.5m (24.6ft), 10m (32.8ft), 15m (49.2ft), 20m (65.6ft)
 - 1.5m (4.9ft) and 3m (9.8ft) lengths are tested to Furutech in-house standards.
 - All other lengths are ATC 8K V2.1 certified.
- Supported signal specifications: 8K/60p/48Gbps, 4K/120p/32.08Gbps, HDCP1.4/2.2/2.3, eARC/ARC, HDR10/HDR10+, VRR/60Hz~240Hz (refresh rate), DSC, QMS, QFT, ALLM.

Pricing & availability

Furutech's HF-A-NCF ultra-high speed HDMI cable is available now, priced as follows (inc. VAT):

1.5m	£220
3.0m	£285
5.0m	£350
7.5m	£435
10.0m	£500
15.0m	£625
20.0m	£750

Consumer contacts for publication

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