HDMI CABLES

NanoFlex™ Pro AV/IT Integrator Series™ Certified 4K 18G High Speed HDMI Cables - CMG (FT4) Rated

NanoFlex 4K™ is Small in Size, Big in Performance

NanoFlex™ Pro AV/IT Integrator Series™ Certified 4K 18G High Speed HDMI cables are the latest in Comprehensive's Flex™ series of cabling designed specifically for systems integrators and pack in all of the latest 4K high resolution features into an incredibly small and supple cable.

Ultra-Small, Ultra-Flexible and Ultra-Capable

NanoFlex™ 4K cables not only provide full 4K@60 high resolution performance, but they also have an incredibly small nano-sized connector head on an unbelievably slender and ultra-flexible cable making this the only choice for 4K HDMI cabling in commercial or residential systems integration.

Full Ultra HD 4K@60hz Certified 18G Performance

NanoFlex™ Pro AV/IT Integrator Series™ Certified 4K 18G High Speed HDMI cables come equipped with all the latest HDMI 4K features including Ultra HD 4K@60Hz 4:4:4 Chroma sampling and fast 18Gbps bandwidth rating (end to end), transmission of High Dynamic Range (HDR) video, Ethernet, Deep Color, and up to 32 audio channels with ARC and support for wide angle theatrical 21:9 aspect ratio.

Certified Pro AV/IT Commercial Grade Construction

Comprehensive's NanoFlex™ 4K HDMI Cables are made with premium quality commercial grade components including triple layered shielding to ensure the highest level of signal integrity and superior rejection of EM and RF interference. They are then wrapped in a proprietary ultra-flexible jacket, providing unsurpassed bendability and durability. Comprehensive Pro AV/IT Integrator Series™ Cables are up to 5X more durable on average than standard cables, ensuring your system is always up and running. Comprehensive's NanoFlex™ 4K cables also go through rigorous testing and are ATC certified for a lifetime of worry-free performance for you and your clients. They are also CMG (FT4) Rated for In-Wall Use.

Backwards Compatility and Ethernet Capability Included

Comprehensive's NanoFlex™ 4K HDMI cables also have included bi-directional Ethernet capability built in for networking applications without having to use additional wires. Our NanoFlex™ 4K HDMI cables are backward compatible with previous HDMI 1.4, 1.3 & 1.2 versions.

ProGrip™ Connector Ensures Cables Always Stay Connected

A long-time problem of HDMI connectors is that they can easily become loose or can be disconnected by accident. But Comprehensive's exclusive ProGrip™ connector solved that problem and secures the connection with up to 16lbs of retention force to prevent cables from being unintentionally disconnected and most important, protects against un-wanted service calls!

Exclusive SureLength™ Indicators Make Cable Sorting Easy

Comprehensive's SureLength™ cable length indicators clearly indicate the length of each cable right on the connector mold - huge time savers for integrators and installers who are constantly sorting out lengths preparing for jobs!

Support for DTS-HD, Dolby TrueHD and Dolby ATMOS

Integrator Series™ 4K NanoFlex™ HDMI cables include support for up to 32 channels of audio as well as advanced audio features included in the HDMI 2.0 specification such as DTS-HD, Dolby TrueHD & Dolby ATMOS for superior audio performance when compared with previous HDMI generations.

Peace of Mind in Every Connection™

Value is knowing a product you buy today will work for you tomorrow and in the years to come. Since 1974, Comprehensive has been making the most reliable and dependable Pro AV/IT cables on the planet for our integrator and professional customers. Period. We live up to that statement with each and every cable we manufacture. So, when you purchase a Comprehensive product, you can be assured it will keep on working and last a lifetime. That's Quality You Can Count On™

LIFETIME WARRANTY
Comprehensive
Est. 1974

NFHD18G-18INPROBLK	18in	**NFHD18G-6PROBLK**	6ft
NFHD18G-3PROBLK	3ft	**NFHD18G-9PROBLK**	9ft

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Features

- Designed Specifically for Systems Integrators and Technology Professionals
- Smaller, thinner diameter makes this cable much easier to run
- UltraHD 4K@60 4:4:4 Deep Color Sampling (4096x2160p) and 18Gbps bandwidth rating (End to End)
- Up to 5X more durable on average than standard cables
- ProGrip™ connector utilizes up to 16lbs of retention force to help keep connector in place
- SureLength™ indicators on the connector heads make it easy to organize for installations
- Ultra-flexible, low bend radius, with nano connector head-perfect for tight spaces
- Designed for on-site AV/IT use and light integration in higher education, K12, enterprise, SMB and other commercial environments

- Ethernet Capable
- Supports High Dynamic Range (HDR)
- Simultaneous delivery of dual video streams to multiple users on the same screen
- 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound
- Supports CEC Extension commands and functions, HDMI Ethernet channel, and ARC features
- Up to 32 audio channels (LPCM) and 21:9 aspect ratio
- Multi-Stream Audio (up to 4)
- Backward compatible with previous HDMI 1.4, 1.3 & 1.2 versions
- Molded 24k Gold Plated HDMI male connectors on each end
- ATC & RoHS Certified and UL Rated
- CMG (FT4) Rated for In-Wall Use
- Lifetime Warranty

Specifications

Performance & Resolution

    3D Ready: Yes

    Audio Formats Supported DTS: X, Dolby TrueHD, Dolby Atmos, Dolby® True HD, DTS-HD Master Audio and up to 32 audio channels

    ARC (Audio Return Channel): Yes

    Chroma Sampling: 4:4:4

    Color Bit Depth: Supports up 16 bit

    Data Speed: 18 Gbps

    Ethernet Capability: Yes

    HDCP Compliant: Yes

    CEC Compliant: Yes

    HDMI ATC Certified: Yes

    Max Distance: Up to 9 ft passive, beyond 9ft uses active chip technology. See available lengths for current maximum distance

    Resolution and Refresh Rate: 4K/60Hz (4:4:4)

    Performance Grade: Professional Grade

    Signal Technology Version: HDMI 2.0

Regulatory

    ATC Certification: Yes

    CE: Yes

    CL Rated: CMG (FT4) Rated for In-Wall Use

    Prop 65 Compliant: No

    RoHs Compliant: Yes

    UL Rated: Yes

Connections

    Connector Side 1: HDMI Male 19 Pin Type A

    Connector Side 2: HDMI Male 19 Pin Type A

Physical Characteristics

    Bend Radius: 18", 3 ft, 6 ft : 0.95" - 9 ft and up: 1.15"

    Cable Outer Diameter (OD): 18", 3 ft, 6 ft : 4.8 mm ± 0.25 mm 9 ft and up: 5.85 mm ± 0.35 mm

    Conductors: Bare copper

    Colors: Jet Black

    Connector Finish: 24k Gold Plated

    Dimensions (W x H x D): Connector : 0.8" W; 0.93" H; 0.41" D

    Directional: Bi-directional

    Gauge (AWG): 18", 3 ft, 6 ft : 32 AWG - 9 ft and up: 30 AWG

    Jacket Type: PVC

    Packaging: Ziplock Bag

    Shielding: Triple Shielded, Inner 100% Aluminum Mylar Wrap, Outer 100% Aluminum Mylar Wrap, 85% Tinned Copper Braid

Environmental

    Temperature Rating: 0-80 ° C

Power & Electrical

    DC Resistance: 3Ω Max

    Insulation Resistance: 10 Ω/ 0.05s/min

    Nominal Attenuation: 100 Ω

    Skew: 112 ps

    Voltage: 5 volts

Weight (Shipping)

    18": 0.12lbs, 3ft: 0.17lbs, 6ft: 0.28lbs, 9ft: 0.30lbs

Warranty

    Worry-Free Lifetime