



NanoFlex™ Pro AV/IT Integrator Series™ Certified 4K 18G High Speed HDMI Cables up to 30ft - 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 Compatibility 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™



NFHD18G-18INPROBLK	18in	NFHD18G-9PROBLK	9ft	NFHD18G-20PROBLKA	20ft
NFHD18G-3PROBLK	3ft	NFHD18G-12PROBLKA	12ft	NFHD18G-25PROBLKA	25ft
NFHD18G-6PROBLK	6ft	NFHD18G-15PROBLKA	15ft	NFHD18G-30PROBLKA	30ft



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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
- 3ft, 6ft, and 9ft are passive. 12 ft and above are active.
- 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 to 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", 3ft, 6ft : 4.8 mm ± 0.25 mm
 9ft 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 : up to 9ft
 Uni-directional : 12ft & beyond
 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, 12ft: 0.49 lbs,
 15ft: .60 lbs, 20ft: .79 lbs, 25ft: .97 lbs, 30ft: 1.67 lbs

Warranty

Worry-Free Lifetime

HDMI CABLES