



Product **Brochure**

About Kordz



About us

Kordz is a long-standing innovator and manufacturer of HDMI and other audio-visual cables. Kordz' extensive experience in design, engineering and manufacturing is the foundation to building products with our long-established principles.

These principles of design and engineering are to create products that are robust, offer high quality sound and picture, high-bandwidth, tight bend radius, shallow mounting depth and reliability. Kordz utilises research and development facilities in both Australia and Taiwan, plus the dedication and experience of its people, to engineer and build robust and quality connectivity solutions.

Founded in 2003 when HDMI cables were emerging to be the key connectivity medium for audio visual products, Kordz has evolved into a well-respected, multi award-winning brand.

Kordz is committed to a high standard of practical and graceful design, partnered with superior manufacturing, delivering quality products around the world.

Kordz - Connectivity.Assured

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Timeline

2003

- Kordz founded in Morningson, Australia
- Introduces Vector & Quantum premium custom long length interconnect components
- First HDMI Compliance Test Specification (CTS) released

2005

- Becomes an official HDMI Adopter company

2008

- Establishes first export partnership with Digital World in New Zealand
- Joins CEDIA
- Smarthouse - Winner for Best Cables Range - Master Series

2009

- Invited by HDMI Licensing to exhibit at CES as a technology partner

2010

- Smarthouse - Winner for Best HDMI Cables - EVX Series
- Established Kordz International in Hong Kong

2011

- CEDIA Finalist - Best New Product - HDBaseT Extender
- Smarthouse - Winner for Best HDMI Cables - EVX Series

2012

- Wins CEDIA's product innovation of the year award

2013

- Connected Home Most Popular Award - HDMI Cabling
- CEDIA Award - Best New Product - NEO S3

2014

- Connected Home Most Popular Award - HDMI Cabling

2015

- Connected Home Most Popular Award - HDMI Cabling
- Kordz Exhibits at ISE and enters the European market
- Launched B.2 HDBaseT certified extender – slimmest HDBaseT commercial grade (24/7 operation) extender in the world at 16mm high
- Becomes first HDMI cable to be certified by THX
- Established Kordz Europe Ltd in UK

2016

- 1st European distributors appointed
- Future Ready Solutions appointed US Master Distributor

2017

- Kordz Partners with DPL Labs
- ONE Series HDMI cable launched
- Hybrid Fibre (AOC) HDMI cable launched
- ONE Series bulk speaker cable announced

2018

- Now exporting to over 29 different countries around the world
- ONE Series bulk CAT6/6A cable released
- Connected Home Most Popular Award - HDMI Cabling
- Joins AVIXA



ONE Series - HDMI Cable

ONE

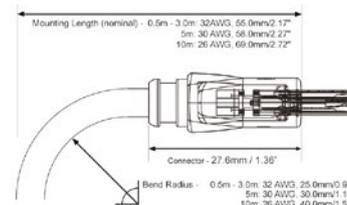
- 0.5m
- 1m
- 2m
- 3m
- 5m
- 10m

BULK PACKAGED HDMI CABLE

The Kordz ONE Series HDMI Cables are everything you'd come to expect from Kordz, but now available in a bulk packaged form. ONE Series HDMI is flexible, compact and certified for your HDMI plug & play requirements. Each cable is individually tested as part of our strict production process, giving us the confidence to offer you our Lifetime Guarantee.

- Engineered and constructed to ensure installation success and ease
- High Speed with Ethernet in lengths to 3m (9'10") for 2160p (4K) support
- Standard with Ethernet with operational support to 1080p/60 up to 10m (32'9")
- Induction soldered pin transitions for benchmark inter-terminal uniformity
- PVC boot shell assembly with folded nickel plated HDMI connector
- 100% of units tested on the production line for electrical continuity on all pins, with 1080p/60 application test
- Lifetime warranty

- 4K**
Up to 3m
- 10.2**
Gbps
- 4.56**
Gbps
- ARC**
- 3D**
- HEAC**
- 1KG**
RETENTION
- 4K 24 4:4:4
to 3.0m
- 1080p60
to 10.0m
- LIFETIME**
WARRANTY



PRO - HDMI Cable

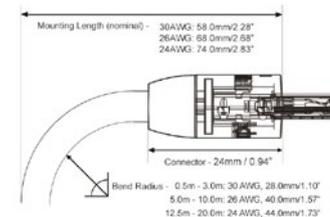
PRO



GENERAL APPLICATION HDMI CABLE

Kordz PRO Series is a general application HDMI cable engineered to make installations easier. It employs materials and construction methodologies which deliver a balance of economy and dependable performance without compromising the most critical elements common to all Kordz HDMI cables; the retention of digital signal integrity.

- Engineered and constructed to ensure installation success and longevity
- High Speed with Ethernet in lengths to 5m (16'4") for 2160p (4K) support
- Standard with Ethernet with operational support to 1080p/60 up to 20m (65ft)
- Induction soldered pin transitions for benchmark inter-terminal uniformity
- ABS + PVC boot shell assembly with folded gold plated HDMI connector
- 100% of units tested on the production line for electrical continuity on all pins, with full Bit Error Rate (BER) application test
- UL CMG fire rated in all lengths
- Lifetime warranty



PRS³ - Passive - HDMI Cable

PRS³

- 0.5m
- 1m
- 1.5m
- 2m
- 3m
- 5m

4K UHD 18Gbps PASSIVE HDMI CABLE

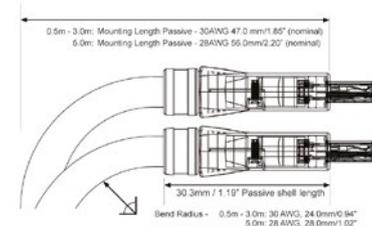
Kordz PRS³ features a narrow profile full metal die-cast shell assembly behind a unique grip tab HDMI connector for 3kg receptacle retention capacity. Engineered for high performance applications and to mitigate connector dropout potential - not suitable for repeated plug/unplug events.

- DPL Certified 4K 18G-DC
- High Speed with Ethernet on all lengths
- Passive in lengths 0.5m - 5m / 1.64' - 16.4'
- 18mm wide connector engineered to fit through 1"/25mm conduit
- Induction soldered pin transitions for benchmark inter-terminal uniformity
- Unique grip tab connectors with 3kg retention for permanent installations
- 100% of units tested on the production line for electrical continuity on all pins, with full Bit Error Rate (BER) application test
- UL CMG fire rated in all lengths
- Lifetime warranty



HDMI[®] 2.0 Adopter

4K <small>60Hz 4:4:4</small>	18 <small>Gbps</small>	HDR	ARC	HDCP <small>2.2</small>	3KG <small>RETENTION</small>	UL <small>CMG FIRE RATED</small>	LIFETIME <small>WARRANTY</small>
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PRS³ - Active Copper - HDMI Cable

PRS³

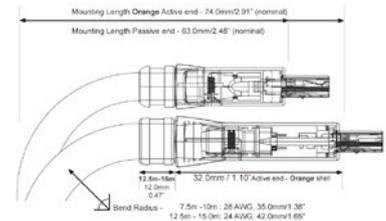
7.5m 10m 12.5m

4K UHD 18Gbps SPECTRA7 ACTIVE HDMI CABLE

Kordz PRS³ features a narrow profile full metal die-cast shell assembly behind a unique grip tab HDMI connector for 3kg receptacle retention capacity. Engineered to mitigate connector dropout potential - not suitable for repeated plug/unplug events.

- DPL Certified 4K 18G-DC
- High Speed with Ethernet, all lengths
- Spectra 7 Active 7.5m - 12.5m lengths, optimised with VerifEYE™
- 18mm wide connector engineered to fit through 1"/25mm conduit
- Induction soldered pin transitions for benchmark inter-terminal uniformity
- Unique grip tab connectors for permanent installations
- 100% of units tested on the production line for electrical continuity on all pins, with Bit Error Rate (BER) application test
- UL CMG fire rated in all lengths
- 5 Year Warranty

HDMI®
2.0 Adaptor



PRS³ - Active Optical Cable (AOC) - Compact Connector

PRS³

- 7.5m
- 10m
- 12.5m
- 15m
- 17.5m
- 20m

4K UHD 18Gbps ACTIVE OPTICAL HDMI CABLE - COMPACT CONNECTOR

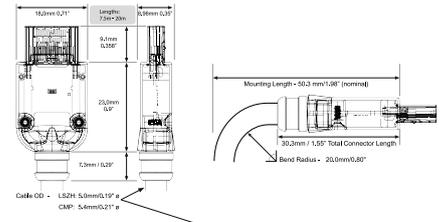
Kordz PRS³ features a narrow profile full metal die-cast shell assembly behind a unique grip tab HDMI connector for 3kg retention. Engineered to mitigate connector dropout potential - not suitable for repeated plug/unplug events.

- Active Optical Cable (AOC) 7.5m - 20m, 4K/UHD 18Gbps certified by DPL Labs™
- 18mm wide connector engineered to fit through a 1"/25mm conduit
- Reinforced internals for superior flexibility and pull strength during installation
- Light weight & flexible
- No external power requirements - works just like a 1m HDMI Cable
- 100% of units tested on the production line for electrical continuity on all pins with additional 4K (2160p/60), 4:4:4, 17.82Gbps application test
- High Speed, all lengths
- LSZH fire rated
- 5 Year Warranty



HDMI[®] 2.0 Adaptor

- 4K**
60Hz 4:4:4
- 18**
Gbps
- HDR**
- AOC**
- ARC**
- HDCP**
2.2
- 3KG**
RETENTION
- LSZH**
FIRE RATED
- 5 YEAR**
WARRANTY



PRS³ - Active Optical Cable (AOC) - HDMI Cable

PRS³

25m 30m

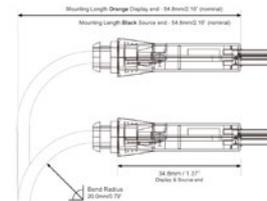
4K UHD 18Gbps ACTIVE OPTICAL HDMI CABLE

The PRS3 AOC cable is incredibly lightweight, flexible and durable and is designed and engineered specifically with Home Technology Professionals and Commercial integrators in mind, whilst the end user will enjoy its performance capabilities to provide 4K resolutions with HDR and more. The design elements that make it stand out from the rest, is the really smooth, thin outer jacket making it easy to pull through joists and studs and the 20kg (44 pound) pull rating. The connector head-shell has been designed to be incredibly compact, and only 18mm wide, making it easy to pull through 25mm (1") conduit. It is currently available in lengths of 25.0m & 30.0 meters.

- Active Optical Cable (AOC) 25m & 30m, 4K/UHD 18Gbps certified by DPL Labs™
- 18mm wide connector engineered to fit through a 1"/25mm conduit
- Reinforced internals for superior flexibility and pull strength during installation
- Light weight & flexible
- No external power requirements - works just like a 1m HDMI Cable
- 100% of units tested on the production line for electrical continuity on all pins with additional 4K (2160p/60), 4:4:4, 17.82Gbps application test
- High Speed, all lengths
- LSZH fire rated
- 5 Year Warranty

4K 60Hz 4:4:4 **18** Gbps **HDR** **AOC** **ARC** **HDCP** 2.2 **1KG** RETENTION **LSZH** FIRE RATED **5 YEAR** WARRANTY

HDMI[®]
2.0 Adaptor



R.3 - HDMI Cable

R.3

0.3m	0.6m	0.9m	1.2m	1.5m	1.8m	2.1m
2.4m	2.7m	3m	3.6m	4.2m	4.8m	5.4m

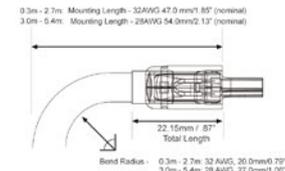
RACK INSTALLATION HDMI CABLE

Kordz R.3 is engineered for bespoke commercial AV rack and critical application installations. The unique combination of the die-cast HDMI connector, flexible halogen free cable and small profile lightweight design results in unrivalled installation flexibility and robustness. Beyond this, the R.3 cables have an increased shielding to prevent electromagnetic interference (EMI) which often occurs in rack environments.

- Engineered and built to deliver maximum commercial up-time
- 0.3 - 3.0m lengths in 0.3m increments for precision rack fit
- 3.6 - 5.4m lengths in 0.6m increments
- High bandwidth solid OFC conductors
- Induction soldered pin transitions for benchmark inter-terminal uniformity
- Anti-fatigue Die-cast Zn alloy connectors tested to $\geq 1,000$ cycles & 2kg retention force
- 100% of units tested for zero Bit Error Rate (BER) @ 340Mcsc, <0.05% in-field failure rate
- Halogen-free construction
- THX® Certified 4K Interconnect
- DPL Certified 4K 18G-DC
- Lifetime warranty

4K 60Hz 4:4:4	18 Gbps	HDR	HDCP 2.2	ARC	2KG RETENTION	HALOGEN FREE FIRE RATED	LIFETIME WARRANTY
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HDMI
2.0 Adaptor



⊕ OD / AWG : 0.3m - 2.7m: 32 AWG, 4.8mm±0.15°
3.0m - 5.4m: 28 AWG, 6.5mm±0.22°

BRAVO - 8K 48Gbps Performance HDMI Cables

NEW!

Bravo

1m 1.5m 2m 3m

8K 48Gbps PERFORMANCE HDMI CABLES

The Kordz Bravo HDMI Cables are the latest release to meet the new HDMI specification standard which provides an uncompressed data rate of up to 48Gbps. Kordz Bravo 8K 48Gbps HDMI cables have a compact design, flexibility and provide the performance needed to support the video standards of 4K/120fps UHD, 5K Wide, 8K & 10K Wide. Bravo will also support up to 32 channels of audio including Dolby Atmos, Auro3D and DTS:X immerse audio formats.

- Ultra High Speed up to 3.0m for support to 10K Wide
- 48Gbps data transfer rate
- Compact design
- Flexible
- Supports immersive audio up to 32 channels
- Newly design anodized head shell
- Die-cast gold plated connector and contacts with a 2kg retention force
- 100% of units tested on the production line for electrically continuity on all pins, with full bit rate error (BER) application test @48Gbps



**Next Generation
48Gbps HDMI® Cable**

Coming Soon

EVS - Audio/Videophile HDMI Cables

EVS

0.6m 1.2m 1.8m 2.4m 3m 5m

AUDIO/VIDEOPHILE HDMI CABLES

Kordz EVS-R Series HDMI cable comprises larger 28AWG solid main conductors to provide generous bandwidth headroom, with each silver plated (2% volume) to harness skin effect for superior signal integrity. Compared to EVO-R, this results in higher fidelity and dynamics in PCM/HD audio and HD video. Supports all 3D formats, HDMI Ethernet Channel and Audio Return Channel.

- Solid 28AWG conductors
- Solid core copper, silver plated TMDS channels (2% by volume)
- Superior uncompressed HD/PCM audio
- Halogen-free cable jacket and larger strain relief
- World class low jitter IR induction soldered connectors
- 2kg retention force die-cast connectors



HDMI[®]
2.0 Adaptor

EVO - Audio/Videophile HDMI Cables

EVO

0.6m 1.2m 1.8m 2.4m 3m

AUDIO/VIDEOPHILE HDMI CABLES

Kordz EVO-R Series HDMI cable offers the same meticulous standard of performance and reliability as the rest of the Kordz HDMI cables. Its compact construction and supremely light weight offers 360° fit-anywhere installation versatility, with the premium Halogen-free jacket for great tactile feel and environmental credential.

- 4K 60Hz/4:4:4 for lengths to 2.4m and 4K 60Hz 4:2:0 to 3m
- Solid 32AWG OFC conductors in twisted pair array
- Premium 24k Gold plated Die-cast connector
- 15µ" gold plated induction terminated contacts
- Halogen-free cable jacket and strain relief
- Identified by green cable stripe



HDMI[®]
2.0 Adaptor

PRO - 8K 32.4Gbps DisplayPort Cables

NEW!

PRO



DISPLAYPORT 8K V1.4

The Kordz PRO Series DisplayPort 1.4 Cable, is designed and engineered to provide a reliable connection for DisplayPort™ supported PCs and laptops to 8K/60Hz or 4K/240Hz UHD Monitor or other DisplayPort™ supported devices. It supports up to 32 channels of audio including Dolby Atmos, Auro3D and DTS:X immerse audio formats.

- Engineered and constructed to ensure installation success and longevity
- DisplayPort™ 1.4 8K offers backwards compatibility with earlier DisplayPort™ standards
- Supports high resolution displays up to 8K 7680 x 4320@60Hz DSC1.2
- Supports High Bit Rate 3 (HBR3) mode with data rate up to 32.4Gbps
- Supports Display Stream Compression (DSC) 1.2
- Forward Error Correction (FEC)
- Supports Expanded Audio Transport - up to 32 audio channels
- 1536kHz audio sample rate, and inclusion of all standard audio formats



DisplayPort™

D8K



PRO - TOSLink Cable

PRO

0.5m	1m	1.5m	2m	3m	5m
7.5m	10m	12.5m	15m	20m	

THE PRO SERIES TOSLink

The PRO Series TOSLink is designed for the custom installer to provide a solution that just works. Installers will appreciate the compact TOSlink connectors and the secure click in fit.

The design features a carefully aligned centre pin and 1mm polyfibre conductor with polished ends, providing unhindered transmission over the length of the cable. The matte black PVC jacket is flexible and durable, suitable for both installation in-wall or to remain unobtrusively behind equipment.

- Tight tolerance for secure connection
- Shallow mounting depth connectors
- 1mm polyfibre with polished ends
- Flexible and durable matte black PVC jacket



PRO Series - Integrator Audio/Video Cable

PRO

0.5m	1m	1.5m	2m	3m	5m	Single AV		
0.5m	1m	1.5m	2m	3m	5m	10m	15m	Double AV
0.5m	1m	1.5m	2m	3m	5m	10m	15m	Triple AV

INTEGRATOR AUDIO/VIDEO CABLE

The PRO series AV RCA cables are designed for the custom installer to provide a solution that just works. Installers will appreciate the compact RCA connectors using the micro-shell technology which is amongst the world's smallest RCA shells.

The matte black PVC jacket is flexible and durable, suitable for both installation in-wall or to remain unobtrusively behind equipment.

- Purpose designed commercial grade
- Shallow mounting depth connectors
- 75 Ω coaxial cable
- 24AWG stranded oxygen free copper conductor
- Double Shielded with 6mm \emptyset cable jacket
- Designed for S/PDIF, CV, Mono
- Channel ID rings included
- Flexible and durable matte black PVC jacket



PLX - HDB.2 HDMI HDBaseT Extender

PLX

PLX-HDB.2 HDBaseT HDMI EXTENDER

The Kordz PLX-HDB.2 uses HDBaseT architecture to support UHD video to 40m, 1080p video to 70m with bi-directional IR and RS-232 control. The transmitter (TX) and receiver (RX) are both powered by a single DC power supply at the transmitter end. Each chassis is only 16mm high with all connections positioned on one side, allowing installation flexibility in tight spaces. Mounting brackets are included. IR and RS-232 cables are available separately.

- Supports CATx UTP/FTP/STP cable
- 4K UHD to 40m
- 1080/60 to 70m
- Supports HDMI 1.4 UHD60 8-bit 4:2:0
- Supports HDMI 1.4 UHD30 up to 12-bit 4:2:2, & 8-bit 4:4:4/sRGB
- HDCP 2.2 compatible
- HDBaseT certified
- HDBaseT Lite VS010 architecture
- IR & RS232 Control



PLX

PLX-HDB.3 HDBaseT HDMI EXTENDER

The PLX-HDB.3 is an ultra-thin HDMI 2.0 Extender with the ability to extend 1080p/4K HDMI signals over CAT6/CAT6a cable up to 70m(1080p) and 40m(4K60 4:4:4), power (PoC) can be powered at either end, and enables IR and RS232 pass-through to control source or display devices remotely. It adopts a visually lossless video compression technology (VLC) to provide HD lossless transmission of HDR and 4K 2160p/60 4:4:4 over CAT6/CAT6a cable. Mounting brackets are included. IR and RS-232 cables are available separately.

- Tx and Rx are 16mm thin with all connectors on one side
- Ideal for mounting in tight spaces
- Supports CATx UTP/FTP/STP cable
- 4K60UHD 4:4:4 (18Gbps) to 40m
- 1080p/60 to 70m
- Supports HDMI 2.0 4K60UHD 8-bit color depth 4:4:4
- Supports HDMI 1.4 4K24UHD HDR 10 colour depth 4:4:4



ONE Series - Speaker Cable

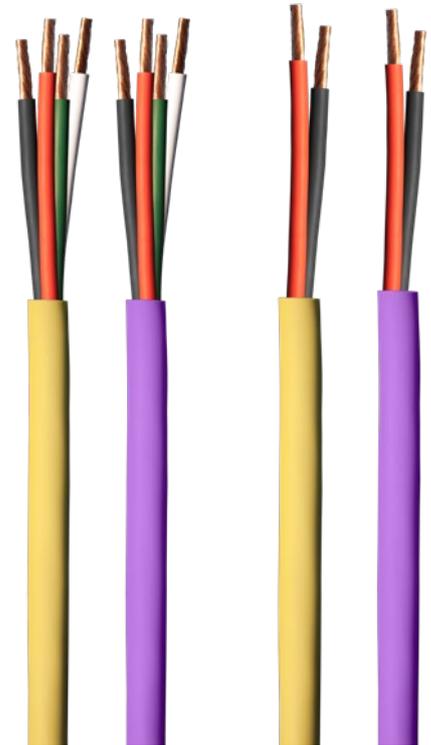
ONE

BULK BUY SPEAKER CABLE

The Kordz ONE Series Speaker Cables has been designed, engineered and manufactured to the suit the discerning AV Integrator/Installer. Made to provide any system with a cost effective, high quality and performance speaker cable solution.

The new smaller and more compact Rapid-EZ-Reel packaging allows the easy flow of cable from the box, whilst keeping the cable from twisting and curling, greatly minimising snags during installation therefore saving precious time.

- Engineered and constructed to ensure installation success and ease
- 99.99% Oxygen Free Copper (OFC)
- Low smoke zero halogen (LSZH) construction
- Easy glide yellow or purple outer jacket available
- Supplied in the durable Rapid-EZ-Reel packaging – *152.5m (500ft) or *305m (1,000ft) *depends on cable gauge & configuration
- Metre marked
- Easy strip internal nylon rip cord
- Available in 2 or 4 core configurations
- Available in 12, 14 or 16 AWG wire gauge
- Industry standard wire colour coding (red, black, green, white)



ONE Series - Bulk Speaker Cable Banana Plugs

ONE

BULK SPEAKER CABLE BANANA PLUGS

The ONE Series versatile and robust banana plug incorporates a full metal 24k gold plated body covered by a colour coded molded plastic shell to eliminate the risk of electrical shorts.

- Rear cable entry 4mm banana plug
- 24k gold plated body
- Offset oversized grub screws for superior cable termination
- Accepts up to 10AWG stranded speaker cable
- Molded plastic backshells eliminates the risk of speaker terminal shorts
- Plastic backshells are brass threaded for rigidity and easy termination
- Economy and performance
- Available in bulk trays of 20 plugs for each colour
- Lifetime warranty



ONE Series - CAT6 U/UTP Cable

ONE

CAT6 U/UTP NETWORK CABLE

The Kordz ONE Series CAT6 cable has been designed and engineered to provide any application with a cost-effective, high-bandwidth and high-performance cabling solution. This makes for a more robust and complex system at Gigabit speed and full duplex transmissions. The new smaller and more compact Rapid-EZ-Reel packaging allows the easy flow of cable from the box, whilst keeping the cable from twisting and curling, greatly minimising snags during installation therefore saving precious time.

- Suitable for 10BASE-T, 100BASE-TX, 1000BASE-T/1000BASE-TX (Gigabit) & 5GBaseT, PoE & PoE+
- U/UTP Ethernet CAT6
- Four Twisted Pairs 24 AWG Oxygen Free Solid Copper Conductors
- PVC Separator Reduces Crosstalk Between Pairs
- Suitable for IDC Terminations
- Supplied In The Durable Rapid-EZ-Reel Packaging - 305m (1,000ft)
- Metre Marked
- 5 Colours Available: Blue, Green, White, Yellow & Purple
- Exceeds ANSI/TIA 568C-2.1 Standard
- Available In LSZH - IEC60332-1 And UL 444 CM fire rated versions
- CPR Declared Performance: ONE-CAT6: Dca-s2, d2, a1 (EN 50575:2014+A1:2016)



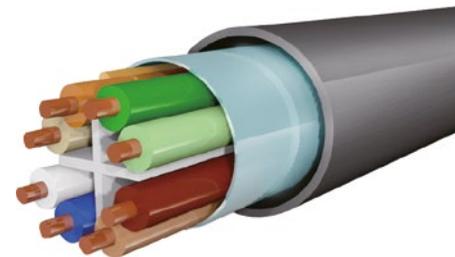
ONE Series - CAT6a F/UTP Cable

ONE

CAT6A F/UTP NETWORK CABLE

The Kordz ONE Series CAT6a cable has been designed and engineered to provide a cable system infrastructure with assurance for advanced applications that demand more bandwidth and greater performance. This makes for a more robust and complex system at Gigabit speed and full duplex transmissions. This premium shielded twisted pair (F/UTP) cable with grounding, provides industry-leading protection inherent in complex systems from external cable noise sources, also known as alien crosstalk or EMI (electromagnetic interference). The new smaller and more compact Rapid-EZ-Reel packaging allows the easy flow of cable from the box, whilst keeping the cable from twisting and curling, greatly minimising snags during installation therefore saving precious time.

- Suitable for 10BASE-T, 100BASE-TX, 1000BASE-T/1000BASE-TX (Gigabit) & 10GBaseT, PoE & PoE+
- F/UTP Ethernet CAT6a
- Four Twisted Pairs 23 AWG Solid Copper Conductors
- PVC Separator Reduces Crosstalk Between Pairs
- Mylar laminated aluminium tape shielding with a 26AWG drain wire
- Suitable for IDC Terminations
- Supplied in the durable Rapid-EZ-Reel packaging – 152.5m (500ft)
- Metre Marked
- 5 colours available: Blue, Green, White, Yellow & Purple
- Exceeds ANSI/TIA 568-C.2 and ISO/IEC 61156-5 standards
- Available in LSZH - IEC60332-3-25 and UL 444 CM fire rated versions
- CPR Declared Performance: ONE-CAT6A: Dca-s1, d2, a1 (EN 50575:2014+A1:2016)



ONE Series - CAT6 Termination Connector & Strain Reliefs

ONE

RJ45 CAT6 PUSH-THROUGH SITE TERMINATION CONNECTORS & STRAIN RELIEFS

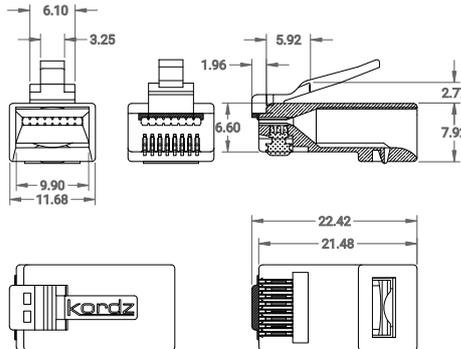
Kordz CAT6 RJ45 field termination connectors are designed and engineered for the installer to make installations easier. Even with something as small as an RJ45 plug, it must be engineered correctly and manufactured with precision processes to ensure that the connection is just going to work. These RJ45 connectors work with both solid and stranded cable 8 pins (gold plated) and 8 conductors. Kordz CAT6 RJ45 field termination connectors make it easy to quickly and efficiently terminate CAT6 wires of any length. Large cable openings reduce the distance between the wires and contacts, creating optimal performance and reliable connections every time. The Kordz Pass-through CAT6 connectors are designed for fast RJ45 connector installations. Conductors easily Pass-through the RJ45 connector for fast and easy verification of wire sequence



Strain relief sold separately, available in jars of 100 pcs.



Tool required:
Part #ONE-RJ45TOOL1

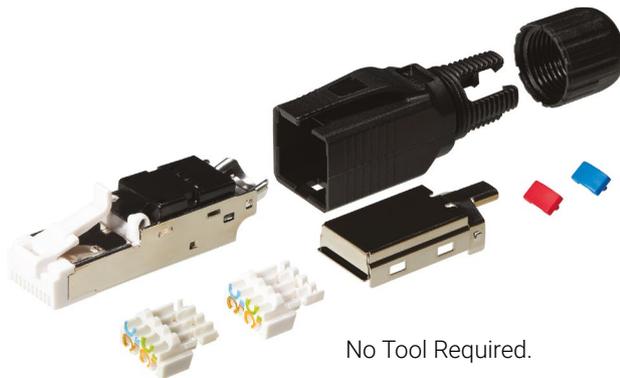


ONE Series - CAT6a Shielded Site Termination Connectors

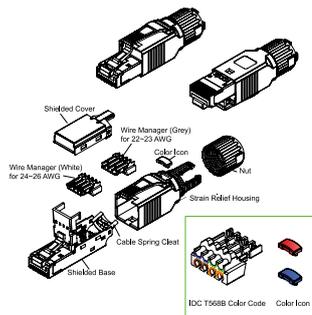
ONE

RJ45 CAT6A SHIELDED SITE TERMINATION CONNECTORS

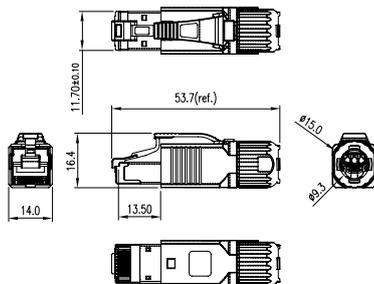
The Kordz Category 6a Shielded Field Termination RJ45 Connector offers easy, toolless termination and complies fully with ISO/IEC 11801 2.2 Edition Category 6a and ANSI/TIA-568-C.2 Category 6A standards for applications up to 10GBase-T Ethernet and frequencies up to 500Mhz. It offers a fully shielded brass nickel plated base, bronze nickel plated cover and gold plated phosphor bronze contact pins. Suitable for cable diameters between 6 and 8.5mm, whilst the strain relief is provided by the compression nut on the back of the connector. IDC termination accepts wire gauges 22~26AWG. Two different wire managers are provided, one for 22~23AWG wires and the other for 24~26AWG wires. The connector is IP20 rated and 360° degrees shielding for greater tolerances to EMI/EMC. Designed and engineered for site termination and installation ease.



No Tool Required.



(E&OE) ©Kordz 2019



PRO - CAT6 Patch Cables

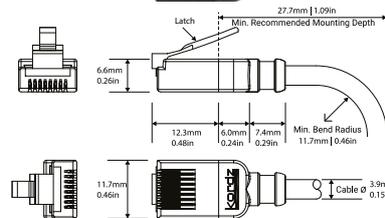
PRO

0.15m	0.25m	0.5m	0.75m	1m	1.5m	2m	2.5m
3m	4m	5m	7.5m	10m	15m	20m	30m

CAT6 PATCH CABLES

The Kordz PRO Series CAT6 Network Patch Cord is a highly flexible, slim-profile, stranded 28AWG copper patch cord ideal for the professional and custom installer/integrator. With a diameter of only 3.9mm, the PRO series network patch cord provides over 30% reduction in diameter when compared with conventional 24AWG patch cords. Combined with stranded 28AWG oxygen free copper conductors and solid extrusion for maximum twist protection, the cable is both highly flexible and ensures signal integrity in general applications. The Kordz PRO CAT6 Network Patch Cord also brings to the market a new compact, custom designed RJ45 connector featuring an almost unbreakable latch. Using better materials, the RJ45 latch is rated to 2,000+ 180° degree bends. This removes the need for cable replacements due to latch breakage, saving installers time and cable wastage, living up to the promise of Connectivity. Assured. Each unit up to and including 10m is tested to meet the ANSI/TIA-568.2-D component requirements, with 15m, 20m & 30m lengths meeting channel requirements.

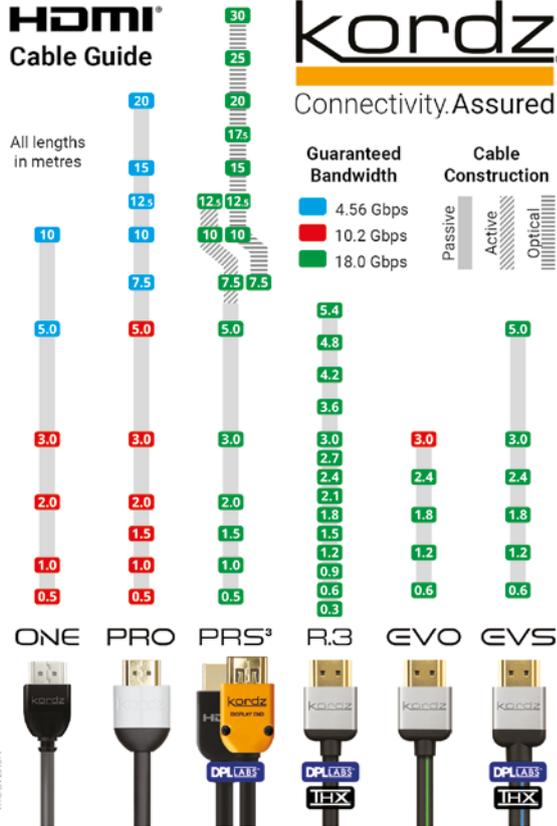
- Overall diameter of 3.9mm
- Nylon connector with 2000 bend cycle latch
- Available in 7 colours – Black, blue, green grey, red, white & yellow.
- Available in 0.15m, 0.25m, 0.5m, 0.75m, 1.0m, 1.5m, 2.0m, 2.5m, 3.0m, 4.0m, 5.0m, 7.5m, 10.0m, 15.0m, 20.0m & 30.0m lengths



HDMI Cable Guide

HDMI Cable Guide

All lengths in metres



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HDMI Bandwidth Guide

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	Resolution	Frame Rate	Color depth (bits)	Chroma Subsampling	TMDS Clock (MHz)	Data Rate (Gbps)	Bandwidth (Hz)
HDMI 1.4 - 2009	720p	60	8	4:2:0	74.25	2.22	371.25M
	1080p	24	8/HDR10	4:4:4/RGB	74.25	2.22	371.25M
	1080p	24	8/HDR10/12	4:2:0/4:2:2	74.25	2.22	371.25M
	1080p	24	HDR12	4:4:4/RGB	148.5	4.455	742.5M
	1080p	24 3D	8/HDR10	4:4:4/RGB	148.5	4.455	742.5M
	1080p	24 3D	8/HDR10/12	4:2:0/4:2:2	148.5	4.455	742.5M
	1080p	60	8	4:4:4/RGB	148.5	4.455	742.5M
	1080p	60	8/HDR10/12	4:2:0/4:2:2	148.5	4.455	742.5M
HDMI 1.4 - 2009	1080p	24 3D	HDR12	4:4:4/RGB	185.63	5.56	928.15M
	1080p	60	HDR10	4:4:4/RGB	185.63	5.56	928.15M
	1080p	60	HDR12	4:4:4/RGB	222.75	6.68	1.114G
	1080p	60 3D	8/HDR10/12	4:2:0/4:2:2	297	8.91	1.485G
	1080p	60 3D	8	4:4:4/RGB	297	8.91	1.485G
	2160p	24	8/HDR10	4:4:4/RGB	297	8.91	1.485G
	2160p	24	8/HDR10/12	4:2:0/4:2:2	297	8.91	1.485G
	2160p	60	8	4:2:0	297	8.91	1.485G
HDMI 2.0 - 2013	1080p	60 3D	HDR10	4:4:4/RGB	92.81	11.14	1.86G
	2160p	60	HDR10	4:2:0	92.81	11.14	1.86G
	1080p	60 3D	HDR12	4:4:4/RGB	111.38	13.365	2.28G
	2160p	60	HDR12	4:2:2	148.5	17.82	2.97G
HDMI 2.0 - 2013	2160p	60	8	4:4:4/RGB	148.5	17.82	2.97G
	2160p	60	8	4:4:4/RGB	148.5	17.82	2.97G
HDMI 2.1 - 2018	HDMI 2.1 supports legacy TMDS mode and introduces Fixed Rate Link (FRL) mode which uses 3 Lanes operating at 3 or 6Gbps (max 18Gbps) or 4 Lanes at 6, 8, 10 or 12 Gbps (max 48Gbps). Bandwidth and optional DSC compression allow for a wide range of 4K, 5K Wide, 8K and 10K Wide resolutions, 8-12bit colour depths and frame rates up to 120FPS. New Category 3 HDMI cables will be required to support all 2.1 features.						

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8K Bandwidth Guide



Cable Guide
All lengths in metres

3.0

2.0

1.5

1.0



Guaranteed Bandwidth
32.4 Gbps
48.0 Gbps

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5.0

4.0

3.0

2.0

1.5

1.0



Bravo HDMI

PRO DisplayPort



HDMI 2.1 supports legacy TMDS mode and introduces Fixed Rate Link (FRL) mode which uses 3 Lanes operating at 3 or 60Gbps (max 18Gbps) or 4 Lanes at 6, 8, 10 or 12 Gbps (max 48Gbps). Bandwidth and optional DSC compression allow for a wide range of 4K, 5K, Wide, 8K and 10K Wide resolutions, 8,10 & 12bit colour depths and frame rates up to 120fps. New Category 3 HDMI cables will be required to support all 2.1 features.



DisplayPort 1.4 uses the transmission mode HBR3 (32.4 Gbit/s) as introduced in version 1.3 and is still the highest available mode. DisplayPort 1.4 adds support for 4K, 5K & 8K resolutions with frame rates up to 240fps, Display Stream Compression 1.2 (DSC), Forward Error Correction, 8, 10 & 12 bit colour space including static and dynamic HDR. It also includes Rec.2020 colour space for HDMI interoperability. Audio capabilities extend to a maximum number of 32 audio channels.

8K Bandwidth Guide

HDMI

DisplayPort

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HDMI	Resolution	Frame Rate	Color depth (bits)	Chroma Subsampling	Speed	Data Rate (Gbps)			
HDMI 2.1 - 2018-2019	4K	3840 x 2160p	60	HDR10	4:4/RGB	Ultra	20.05		
				HDR12		Ultra	24.06		
				8, HDR10 or 12		Ultra	32.08		
		5K	5120 x 2160p	100/120	8-bit	4:4/RGB	Ultra	32.08	
							HDR10	Ultra	40.10
							HDR12	Ultra	48.11
	8K		7680 x 4320p	48/60	8, HDR10 or 12	4:2/0/4:2:2	Ultra	20.05	
							8-bit	Ultra	20.05
							HDR10	Ultra	25.06
		10K	10240 x 4320p	100/120	8-bit	4:4/RGB	Ultra	30.07	
							HDR10	Ultra	40.10
							HDR12	Ultra + DSC	50.12
8K	7680 x 4320p		24/30	HDR10 or 12	4:4/RGB	Ultra	32.08		
						HDR12	Ultra	40.10	
						HDR10	Ultra	48.11	
	5K	5120 x 2160p	48/60	HDR10 or 12	4:2/0/4:2:2	Ultra	40.10		
						HDR10	Ultra + DSC	50.12	
						HDR12	Ultra	60.14	
4K		3840 x 2160p	100/120	HDR10 or 12	4:2/0/4:2:2	Ultra	32.08		
						HDR10	Ultra	40.10	
						HDR12	Ultra	48.11	
	8K	7680 x 4320p	48/60	HDR10 or 12	4:2/0/4:2:2	Ultra	40.10		
						HDR10	Ultra + DSC	64.15	
						HDR12	Ultra + DSC	80.19	
10K		10240 x 4320p	100/120	HDR10 or 12	4:2/0/4:2:2	Ultra	96.23		
						HDR10	Ultra	128.30	
						HDR12	Ultra + DSC	160.38	
	DisplayPort 1.4 - 2018-2019	4K	3840 x 2160	8-bit	4:4:4/RGB	DSC 1.2 ²	No	7.73	
							No	15.68	
							No	19.74	
No							32.28		
DSC or 4:2:2							39.19 or 26.16		
DSC or 4:2:0							68.55 or 30.92		
5K	5120 x 2880	8-bit	4:4:4/RGB	DSC or 4:2:0	DSC or 4:2:2	No	13.68		
						No	27.73		
						DSC or 4:2:0	57.08 or 27.36		
						DSC	69.30		
						DSC + 4:2:2	80.91		
						No	30.60		
8K	7680 x 4320	8-bit	4:4:4/RGB	DSC or 4:2:0	DSC + 4:2:2	No	62.06 or 30.60		
						No	85.28		
						4:2:2	85.28		
						4:2:0	77.56		
						DSC + 4:2:2	85.28		
						DSC + 4:2:0	77.56		

[1] - Display Stream Compression (DSC1.2) is a VESA-developed low-latency compression algorithm to overcome the limitations posed by sending high-resolution video over physical media of limited bandwidth. It is a visually lossless low-latency algorithm based on delta PCM coding and VCoCp-R colour space; it allows increased resolutions and colour depths and reduced power consumption.

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Speaker Cable Guide

ONE Speaker Cable Guide



Speaker Cable Options				Jacket Material		Jacket Colour		
Model	Configuration	Cross Section to scale	Spool Length metre- marked	LSZH	UL CL3	Purple	Yellow	Charcoal
				✓	✓			
ONE-SP122	12AWG (65 strands) 2 core OFC 7.5±0.2mm OD		152.5m 500ft	✓		✓	✓	2
ONE-SP142	14AWG (82 strands) 2 core OFC 7.5±0.2mm OD		152.5m 500ft	✓		✓	✓	2
ONE-SP144	14AWG (82 strands) 4 core OFC 8.8±0.2mm OD		152.5m 500ft	✓	1	✓	✓	2
ONE-SP162	16AWG (65 strands) 2 core OFC 6.0±0.2mm OD		305m 1000ft	✓		✓	✓	2
ONE-SP164	16AWG (65 strands) 4 core OFC 7.0±0.2mm OD		152.5m 500ft	✓	1	✓	✓	2

Internal Conductor Colours

Model	Pair A	Pair B
2 core	Black, Red	—
4 core	Black, Red	Green, White

¹ Available special order, minimums apply

² Coming soon

• All models in plastic spool box 340H x 265W x 335D (mm).

• 12 cartons per pallet layer, maximum 3 layers per pallet.

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Speaker Cable Reference



Selected American Wire Gauge (AWG) Conductor Sizes						Formulae $d = 0.127\text{mm} \times 92^{\frac{36-\text{AWG}}{39}}$ $A = \pi \times (d/2)^2$ For inches, substitute 0.127mm with 0.005in
Conductors	10AWG	12AWG	14AWG	16AWG	18AWG	
Cross-section						
Diameter (mm)	2.588	2.053	1.628	1.291	1.024	
Area (mm ²)	5.261	3.309	2.081	1.309	0.823	

Note: Dimensions in above table are for solid cores. ONE-SP speaker cables use multiple strands to achieve the same cross-sectional area of conductor material. Therefore real-world stranded diameters and areas are approximately 5% and 10% larger, respectively.

ONE-SP Electrical Characteristics - Power loss by cable length

Cable Gauge	4Ω Speaker				8Ω Speaker				16Ω Speaker			
	10m 32ft	20m 65ft	40m 131ft	80m 262ft	10m 32ft	20m 65ft	40m 131ft	80m 262ft	10m 32ft	20m 65ft	40m 131ft	80m 262ft
16AWG	6%	12%	22%	35%	3%	6%	12%	22%	2%	3%	6%	12%
14AWG	4%	8%	15%	26%	2%	4%	8%	15%	1%	2%	4%	8%
12AWG	3%	5%	10%	18%	1%	3%	5%	10%	<1%	1%	3%	5%

Above figures are based on copper resistivity at 20°C (68°F). Resistivity and cable power loss both increase with temperature. For example, driving a 4Ω speaker over 80m of 16AWG cable loses 35% power (-1.9dB) at 20°C (68°F) and 39% (-2.1dB) at 75°C (167°F).

16AWG ≤ 13.7 Ω/km
14AWG ≤ 8.62 Ω/km
12AWG ≤ 5.64 Ω/km

Power loss % to dB conversion	5%	10%	15%	20%	25%	30%	35%	40%
	-0.2dB	-0.5dB	-0.7dB	-1.0dB	-1.2dB	-1.5dB	-1.9dB	-2.2dB

Compliance

Low Smoke Zero Halogen (LSZH)

Uses materials to aid human safety in the event of fire. Low smoke emission aids visibility and breathability during evacuation. Zero halogens are released when the cable is subjected to high heat sources and combustion, preventing the formation of toxic and corrosive gases.

CPR Declared Performance:
Eca (EN 50575:2014+A1:2016)

UL CL3

Uses materials to prevent fire propagation via the cable in the event of fire. CL3 is a general purpose standard suitable for vertical trays but **not** for more demanding situations such as risers and tunnels.

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CAT6/6a Cable Guide

ONE Unterminated Network Cabling



Models Available	Class	Construction		Spool Length	Jacket Options	
		Type	Conductors		Rating	Colour
ONE-CAT6	Cat 6	U/UTP	Solid OFC 24AWG	305m 1000ft	LSZH or UL CM	Blue Green Purple Yellow White
ONE-CAT6A	Cat 6a	F/UTP	Solid OFC 23AWG	152.5m 500ft		



Common Construction Names (ISO/IEC 11801 Annex E)		
Name	Cable Shielding	Twisted Pair Shielding
U/UTP	—	—
U/FTP	—	Foil
F/UTP	Foil	—
S/UTP	Braiding	—
SF/UTP	Braiding + Foil	—
F/FTP	Foil	Foil
S/FTP	Braiding	Foil
SF/FTP	Braiding + Foil	Foil

- Metre-marked
- All models in plastic spool box 340H x 265W x 335D (mm).
- 12 cartons per pallet layer, maximum 3 layers per pallet.

Compliance - LSZH models

CPR Declared Performance:

ONE-CAT6:
Dca-s2,d2,a1
(EN 50575:2014+A1:2016)

ONE-CAT6A:
Dca-s1,d2,a1
(EN 50575:2014+A1:2016)

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Ethernet over Copper Reference Guide



Ethernet Standard	Twisted Pair Cable		Data Bandwidth (Mbit/s)	Bits/Hz	Spectral Bandwidth (MHz)	Data lanes per direction
	Name	Rating (MHz)				
40GBASE-T	Cat 8	2,000	40,000	6.25	1,600	4 lanes ²
25GBASE-T			25,000	6.25	1,000	
10GBASE-T	Cat 6a	500	10,000	6.25	400	
5GBASE-T	Cat 6	250	5,000	6.25	200	
2.5GBASE-T			2,500	6.25	100	
1000BASE-T	Cat 5e	100	1,000	4	100	
100BASE-TX	Cat 5	100	100	3.2	100	1 lane ³
10BASE-T			Cat 3	16	10	

1. Effective data bandwidth (after encoding overhead) is calculated as:
 $\text{Bits/Hz} \times \text{Spectral Bandwidth} \times \text{Data lanes per direction}$.
2. All four twisted pairs operate at full duplex (thus 4 lanes per direction)
3. One twisted pair operates TX at half duplex and another operates RX at half duplex. Two twisted pairs are unused.

Ethernet Standard	Maximum Run Length		
	<30m	<55m	<100m
40GBASE-T	Cat 8	—	—
25GBASE-T	Cat 8	—	—
10GBASE-T	Cat 5e/6	Cat 6	Cat 6a
5GBASE-T	Cat 5e	Cat 5e/6	Cat 6
2.5GBASE-T	Cat 5e	Cat 5e	Cat 5e
1000BASE-T	Cat 5e	Cat 5e	Cat 5e

What About Cat 7 / 7a Cables?

These were originally intended for 10GBASE-T and higher but were supplanted by Cat 6a for 10BASE-T and bypassed by the 25 and 40GBASE-T standards.

Cat 7 is rated to 600MHz and Cat 7a is rated to 1000MHz.

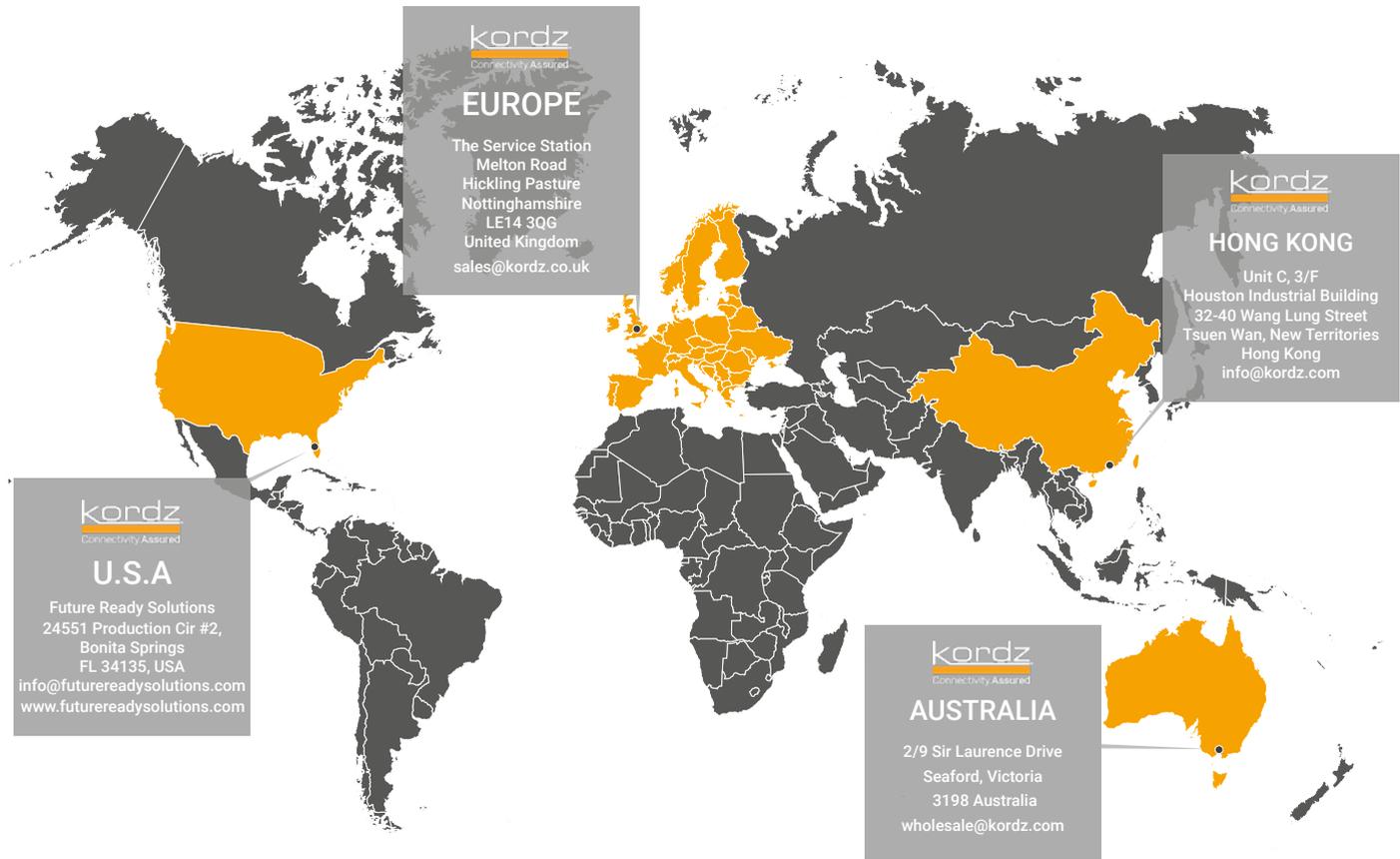
The twisted pairs are individually shielded and the cables are shielded overall, providing better resistance to crosstalk.

These cables are not ratified by TIA/EIA.

Lengths as recommended by 802.3x standards. It is generally possible to use lower rated cables for shorter runs.

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Tech Icon Glossary



HDMI 1.4 is the seventh revision of the High Definition Multimedia Interface (HDMI) standard and was published in 2009. HDMI 1.4 cables and devices must be able to transmit a minimum of 10.2 Gbps (gigabits per second). HDMI 1.4 enabled new features such as HEAC (defined below), 3D and the first versions of 4K.



HDMI 2.0 is the tenth revision of HDMI and was published in 2013. HDMI 2.0 cables and devices must be able to transmit a minimum of 18 Gbps. This was the first HDMI revision that truly allowed for Ultra HD/4K video. HDMI later added High Dynamic Range to the standard in the 2.0a and 2.0b revisions.



This is the most recent version of HDMI; released in 2017. HDMI 2.1 is perhaps the most drastic change to the standard since its inception. While the physical layout of the cables and connectors are the same, the transport mechanism changes. Other features found in the HDMI 2.1 specification include variable refresh rate, quick media switching and quick frame transport. HDMI 2.1 compatible devices and cables must be able to transmit and receive a massive 48Gbps.



AOC is the acronym for Active Optical Cable. Active optical cables use optical fibres to transport data, which is converted from electricity to light. This conversion enables signals to travel significantly greater distances than copper-based cables. AOC uses active electronics, built inside the head of the connector, which requires power (either from the source device or a separate power supply) to convert and transmit the signals.



High Bandwidth Digital Content Protection (HDCP) is the latest version of copyright protection, which is embedded in HDMI and DisplayPort. HDCP 2.2 was released in 2015 and is backwards compatible. Devices requiring HDCP 2.2 must have 2.2 compliant devices from source all the way to the device.



HDR stands for High Dynamic Range. HDR is a newer advancement in television which enables displays to show a greater range between the black and white levels on a display (called dynamic range). The greater the dynamic range, the more detail one can see in an image. There are various versions of HDR and each one has its pros and cons. The most common forms are HDR10, HDR10+, DolbyVision.



Dynamic HDR is the next evolution of High Dynamic Range video. How HDR differs lies in the metadata transmitted by source content. In standard HDR, a signal is sent when viewing begins where HDR is determined and if present, it remains in that state for the remainder of the content. Dynamic HDR allows for frame by frame HDR which allows for a movie to only show HDR in specific sequences, which allows for more efficient video transport and more impactful uses of HDR during the content.



ARC, or Audio Return Channel, is a feature that started in HDMI 1.4 and allows for audio to transmit from a television to a receiver or other device, as opposed to only sending audio from a source such as a Blu-Ray player to a television or receiver. This is a very useful feature for those "cutting the cord" where off air antennas are used or built-in streaming applications such as Netflix, which allows for a better listening experience by bypassing television speakers, which are usually substandard quality.

Tech Icon Glossary



eARC or Enhanced Audio Return Channel is the next iteration found in the new HDMI 2.1 standard. The biggest change in eARC is immersive audio formats such as Dolby Atmos, DTS:X and Auro3D. These audio formats allow for a greater listening experience by adding audio overhead and in a greater 3D type space, called object-based audio. eARC supports up to 32 channels of high resolution 192/24 audio.



HEAC stands for HDMI Ethernet/Audio Return Channel. Beyond ARC, HDMI 1.4 also added ethernet support. This enabled two-way internet connections via HDMI if one device has an established ethernet connection. This is particularly useful if a display needs an ethernet connection and a source, which is HEAC compatible, is already connected.



3D stands for three-dimensional video. 3D was very popular in the early 2010's and typically relies on glasses, either coloured or active shutter, to give an image three-dimensional depth. 3D often required higher refresh rates to allow for each eye to receive full resolution of the image. There are various formats for 3D, some of which require more data than others.



1080p is the top resolution for non UHD/4K displays. 1080p means there are 1080 vertical lines of resolution, along with 1920 lines of horizontal resolution. The p stands for progressive scan, which is a method where each horizontal line is scanned consecutively (1,2,3 etc) as opposed to interlace where odd then even lines are scanned (1,3,5 ... then 2,4,6...) Progressive scan provides a much better viewing experience than interlace. A 1080p image has 2.07 million pixels (2 megapixels).



4k Ultra HD is the next generation of high definition video, where both the vertical and horizontal resolution is doubled to 3,840 x 2160. There is a bit of a misnomer when calling Ultra HD 4K, as the resolution for Ultra HD falls just short of four thousand horizontal lines of resolution. This is due to the aspect ratio of televisions (16:9 or 1.78:1) being slightly narrower than cinemas (1.85:1). An Ultra HD image has 8.3 million pixels (8.3 megapixels).



This icon needs to be broken into a couple explanations, 4K refers to the native resolution of 4K, as described in the icon above. 60Hz refers to the how many frames are shown per second. There are many frame rates, but most common are 24, 25, 30, 50, and 60. The higher the frame rate, the more data. As an example, HDMI 1.4 could handle Ultra HD/4K with 4:4:4 24Hz, as the bitrate 8.91 gigabits/second (Gbps). The same signal at 60Hz comes in at 17.2 Gbps. 4:4:4 refers to the colour compression scheme, called chroma subsampling. Without getting too detailed 4:4:4 means there is no colour compression, thus providing pristine colour accuracy. Other options are 4:2:0 and 4:2:2 colour compression.



This icon states that this HDMI cable is capable of transmitting Ultra HD/4K signal up to 3 meters (9.84 feet)



This icon states that this HDMI cable is capable of transmitting Ultra HD/4K signals up to 5 meters (16.4 feet).

Tech Icon Glossary



5K is specific to video shot in anamorphic aspect ratio (2.35:1). You most often see these commercial movie theaters. Videos output in anamorphic typically have a black bar on the top and bottom of the screen. The typical video resolution for 5K is 5120x2160. You'll notice that the vertical resolution is the same as 4K. Since there are more horizontal pixels, 5K resolutions have higher bitrates than 4K and not all cables are capable of transmitting 5K signals. 5K images come in at 22.1 megapixels.



8K is the next wave of high-resolution video and is double the vertical and horizontal resolution of Ultra HD/4K at 7680x4320. There are 33.2 million pixels (33.2 megapixels) in an 8K image.



10K is the double the vertical and horizontal resolution of 5K, which is found in videos shot and produced in anamorphic (2.35:1) aspect ratio. The most common resolution of 10K will be, as it is not widely adopted currently, 10240x4320. 10K equates to just over 44 megapixels.



10.2 Gbps means that the HDMI cable is capable of the speeds required in the HDMI 1.4 standard, which was released in 2009. In this case, the cable must be capable of sending/receiving 10.2 billion bits per second.



18 Gbps is based on the HDMI 2.0 standard, which was released in 2013. This means that the cable is capable of handling 18 billion bits per second.



48 Gbps is the latest speed for the newest standard, HDMI 2.1, which was released in the fall of 2017. At 48 billion bits per second, these cables are transmitting massive amounts of data and thus significant engineering and care is required to pull these off, particularly in distances beyond a few meters.



TOSLink is an optical audio cable, originally designed by Toshiba. TOSLink is easily identified by its square shaped connector, is used to transmit digital audio via S/PDIF (Sony Phillips Digital Interface) from a device or display to a receiver. TOSLink does have limitations and is not designed for immersive audio formats.



HD Audio is a term for high resolution audio. HD audio typically refers to content recorded and played back at rates at or higher than 44.1K samples per second and a bit depth of 16 or greater. Common HD audio formats are 96Hz/24b and 192Hz/24b.

Tech Icon Glossary



HDBaseT is a proprietary format of transporting uncompressed HD and UHD video over ethernet. Founded by Valens, HDBaseT enables ease of distributing HD and UHD quality video throughout a residence via existing or new ethernet cables within the home.



This cable is able to transmit 4K video with 60 frames per second with 4:2:0 chroma subsampling up to forty meters (131.2). This equates to approximately 10.2 Gbps.



This cable is able to transmit 4K video with 60 frames per second with uncompressed colours up to 40 meters (131.2). This equates to 18 Gbps.



PoE (or Power over Ethernet) allows for devices to operate without the need for a separate power adapter, as the power is provided by a PoE switch. Based off the IEEE 802.3af-2003 standard, PoE provides up to 15.4 watts of power. IEEE 802.3af-2009, called PoE+ provides 25.5watts of power. PoE is very useful for wiring devices such as video cameras and wireless access points. PoE is standardised to adhere to specific voltage ranges between 37 and 57 volts. This ensures that any PoE device connected to a system receives a compatible power supply.



PoC (or Power-over-Cable) works to similar principles (supplying simultaneous power and data signals over Cat cable) but is non-standardised and is applied to proprietary systems. Therefore, the voltage supply can be set to meet the needs of a specific product/system (which may be lower or higher than voltage range of PoE).



PoH (or Power over HDBaseT) combines the flexibility of PoE with HDBaseT. PoH has more power than PoE, at 100 watts which is enough to operate PoH enabled televisions.



This connector on this cable requires a minimum of 1 kg (2.2 lbs) of force to remove it from the connected device.



This connector on this cable requires a minimum of 2 kg (4.4 lbs) of force to remove it from the connected device.

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This connector on this cable requires a minimum of 3 kg (6.6 lbs) of force to remove it from the connected device.



This denotes a cable which is able to output Ultra HD/4K resolutions at framerates up to 120 frames per second utilizing Display Stream Compression, which is a new feature added in the HDMI 2.1 specification.



This denotes a cable which is able to output 8K (33 megapixels) resolutions at framerates up to 60 frames per second utilizing Display Stream Compression, which is a new feature added in the HDMI 2.1 specification.



32.4 Gbps refers to 32.4 gigabits per second. This amount of data is often used in widescreen computer monitors, which are attractive to games looking for a wide field of view.



DSC 1.2 or Display Stream Compression version 1.2 is a video compression scheme developed by VESA which enables 3:1 compression over HDMI and DisplayPort. DSC is considered lossless and enables higher resolutions and framerates to be transported over cables otherwise unable to do so. HDMI 2.1 is the first HDMI standard which has allowed video compression.



FEC or Forward Error Correction is a transmission scheme/protocol used to prevent errors before they occur. DisplayPort 1.4 utilizes FEC which allows it to provide a more reliable signal.

Product Codes

ONE Series - HDMI Cables Page 6

K16041-0050-CH	0.5m	High Speed
K16041-0100-CH	1.0m	High Speed
K16041-0200-CH	2.0m	High Speed
K16041-0300-CH	3.0m	High Speed
K16045-0500-CH	5.0m	Standard Speed
K16045-1000-CH	10.0m	Standard Speed

PRO Series - HDMI Cables Page 7

PRO-HD0050	0.5m	High Speed
PRO-HD0100	1.0m	High Speed
PRO-HD0150	1.5m	High Speed
PRO-HD0200	2.0m	High Speed
PRO-HD0300	3.0m	High Speed
PRO-HD0500	5.0m	High Speed
PRO-HD0750	7.5m	Standard Speed
PRO-HD1000	10.0m	Standard Speed
PRO-HD1250	12.5m	Standard Speed
PRO-HD1500	15.0m	Standard Speed
PRO-HD2000	20.0m	Standard Speed

PRS3 Series - Passive Cu HDMI Cables Page 8

K36036-0050-CH	0.5m	18Gbps High Speed
K36036-0100-CH	1.0m	18Gbps High Speed
K36036-0150-CH	1.5m	18Gbps High Speed
K36036-0200-CH	2.0m	18Gbps High Speed
K36036-0300-CH	3.0m	18Gbps High Speed
K36036-0500-CH	5.0m	18Gbps High Speed

PRS3 Series - Active Cu HDMI Cables Page 9

K36136-0750-CH	7.5m	18Gbps High Speed
K36136-1000-CH	10.0m	18Gbps High Speed
K36136-1250-CH	12.5m	18Gbps High Speed

PRS3 Series - AOC HDMI Cables Page 10-11

K36232-0750-CH	7.5m	18Gbps High Speed
K36232-1000-CH	10.0m	18Gbps High Speed
K36232-1250-CH	12.5m	18Gbps High Speed
K36232-1500-CH	15.0m	18Gbps High Speed
K36232-1750-CH	17.5m	18Gbps High Speed
K36232-2000-CH	20.0m	18Gbps High Speed
K36212-2500-CH	25.0m	18Gbps High Speed
K36212-3000-CH	30.0m	18Gbps High Speed

Product Codes

R.3 Series - HDMI Cables Page 12

R.3-HD0030	0.3m	18Gbps High Speed
R.3-HD0060	0.6m	18Gbps High Speed
R.3-HD0090	0.9m	18Gbps High Speed
R.3-HD0120	1.2m	18Gbps High Speed
R.3-HD0150	1.5m	18Gbps High Speed
R.3-HD0180	1.8m	18Gbps High Speed
R.3-HD0210	2.1m	18Gbps High Speed
R.3-HD0240	2.4m	18Gbps High Speed
R.3-HD0270	2.7m	18Gbps High Speed
R.3-HD0300	3.0m	18Gbps High Speed
R.3-HD0360	3.6m	18Gbps High Speed
R.3-HD0420	4.2m	18Gbps High Speed
R.3-HD0480	4.8m	18Gbps High Speed
R.3-HD0540	5.4m	18Gbps High Speed

BRAVO Series - HDMI Cables Page 13

BRAVO-HD0100	1.0m	Ultra High Speed
BRAVO-HD0150	1.5m	Ultra High Speed
BRAVO-HD0200	2.0m	Ultra High Speed
BRAVO-HD0300	3.0m	Ultra High Speed

EVS Series - HDMI Cables Page 14

EVS-HD0060R	0.6m	18Gbps High Speed
EVS-HD0120R	1.2m	18Gbps High Speed
EVS-HD0180R	1.8m	18Gbps High Speed
EVS-HD0240R	2.4m	18Gbps High Speed
EVS-HD0300R	3.0m	18Gbps High Speed
EVS-HD0500R	5.0m	18Gbps High Speed

EVO Series - HDMI Cables Page 15

EVO-HD0060R	0.6m	18Gbps High Speed
EVO-HD0120R	1.2m	18Gbps High Speed
EVO-HD0180R	1.8m	18Gbps High Speed
EVO-HD0240R	2.4m	18Gbps High Speed
EVO-HD0300R	3.0m	High Speed

PRO Series - DisplayPort Cables Page 16

K25043-0100-CH	1.0m	DP1.4 8K
K25043-0150-CH	1.5m	DP1.4 8K
K25043-0200-CH	2.0m	DP1.4 8K
K25046-0300-CH	3.0m	DP1.4 8K
K25046-0400-CH	4.0m	DP1.4 8K
K25046-0500-CH	5.0m	DP1.4 8K

Product Codes

PRO Series - TOSLink Optical Cables		Page 17
PRO-TL0050	0.5m	Digital Optical
PRO-TL0100	1.0m	Digital Optical
PRO-TL0150	1.5m	Digital Optical
PRO-TL0200	2.0m	Digital Optical
PRO-TL0300	3.0m	Digital Optical
PRO-TL0500	5.0m	Digital Optical
PRO-TL0750	7.5m	Digital Optical
PRO-TL1000	10.0m	Digital Optical
PRO-TL1250	12.5m	Digital Optical
PRO-TL1500	15.0m	Digital Optical
PRO-TL2000	20.0m	Digital Optical
PRO Series - Single RCA Cables		Page 18
PRO-1AV0050	0.5m	Single RCA
PRO-1AV0100	1.0m	Single RCA
PRO-1AV0150	1.5m	Single RCA
PRO-1AV0200	2.0m	Single RCA
PRO-1AV0300	3.0m	Single RCA
PRO-1AV0500	5.0m	Single RCA

PRO Series - Dual RCA Cables		Page 18
PRO-2AV0050	0.5m	Dual RCA
PRO-2AV0100	1.0m	Dual RCA
PRO-2AV0150	1.5m	Dual RCA
PRO-2AV0200	2.0m	Dual RCA
PRO-2AV0300	3.0m	Dual RCA
PRO-2AV0500	5.0m	Dual RCA
PRO-2AV1000	10.0m	Dual RCA
PRO-2AV1500	15.0m	Dual RCA
PRO Series - Dual RCA Cables		Page 18
PRO-3AV0050	0.5m	Triple RCA
PRO-3AV0100	1.0m	Triple RCA
PRO-3AV0150	1.5m	Triple RCA
PRO-3AV0200	2.0m	Triple RCA
PRO-3AV0300	3.0m	Triple RCA
PRO-3AV0500	5.0m	Triple RCA
PRO-3AV1000	10.0m	Triple RCA
PRO-3AV1500	15.0m	Triple RCA

Product Codes

PLX Series - HDMI Extenders			Page 19-20
PLX-HDB.2	4K 10.2Gbps to 40m	KIT	
PLX-HDB.3	4K 18Gbps to 40m	KIT	
ONE Series - Bulk Speaker Cables			Page 21
K11402-305M-PP	305m - Purple	16AWG 2-Core	
K11402-305M-YL	305m - Yellow	16AWG 2-Core	
K11502-152M-PP	152m - Purple	16AWG 4-Core	
K11502-152M-YL	152m - Yellow	16AWG 4-Core	
K11802-152M-PP	152m - Purple	14AWG 2-Core	
K11802-152M-YL	152m - Yellow	14AWG 2-Core	
K11902-152M-PP	152m - Purple	14AWG 4-Core	
K11902-152M-YL	152m - Yellow	14AWG 4-Core	
K12202-152M-PP	152m - Purple	12AWG 2-Core	
K12202-152M-YL	152m - Yellow	12AWG 2-Core	
ONE Series - Banana Plugs			Page 22
GBP-241R/T	Red	Tray of 20	
GBP-241K/T	Black	Tray of 20	

ONE Series - Bulk CAT6 UTP Cables			Page 23
K13002-305M-BL	305m - Blue	LSZH	
K13002-305M-GN	305m - Green	LSZH	
K13002-305M-PP	305m - Purple	LSZH	
K13002-305M-WH	305m - White	LSZH	
K13002-305M-YL	305m - Yellow	LSZH	
K13005-305M-BL	305m - Blue	UL 444 CM	
K13005-305M-GN	305m - Green	UL 444 CM	
K13005-305M-PP	305m - Purple	UL 444 CM	
K13005-305M-WH	305m - White	UL 444 CM	
K13005-305M-YL	305m - Yellow	UL 444 CM	
ONE Series - Bulk CAT6a F/UTP Cables			Page 24
K13602-305M-BL	305m - Blue	LSZH	
K13602-305M-GN	305m - Green	LSZH	
K13602-305M-PP	305m - Purple	LSZH	
K13602-305M-WH	305m - White	LSZH	
K13602-305M-YL	305m - Yellow	LSZH	
K13605-305M-BL	305m - Blue	UL 444 CM	
K13605-305M-GN	305m - Green	UL 444 CM	
K13605-305M-PP	305m - Purple	UL 444 CM	
K13605-305M-WH	305m - White	UL 444 CM	
K13605-305M-YL	305m - Yellow	UL 444 CM	

Product Codes

ONE Series-CAT6 Termination Connector			Page 25
P1R45M-C6XU-CL	RJ45 Connector	CAT6	
P1R45S-C6XU-CL	Strain Relief	CAT6	
ONE-RJ45TOOL1	RJ45 push-through	Crimp Tool	
ONE Series-CAT6a Termination Connector			Page 26
P1R45M-C6AS	Shielded Connector	CAT6a	

PRO Series - Patch Cords			Page 27
K23045-0015- XX	0.15m	Component Tested	
K23045-0015- XX	0.25m	Component Tested	
K23045-0015- XX	0.50m	Component Tested	
K23045-0015- XX	0.75m	Component Tested	
K23045-0015- XX	1.00m	Component Tested	
K23045-0015- XX	1.50m	Component Tested	
K23045-0015- XX	2.00m	Component Tested	
K23045-0015- XX	2.50m	Component Tested	
K23045-0015- XX	3.00m	Component Tested	
K23045-0015- XX	4.00m	Component Tested	
K23045-0015- XX	5.00m	Component Tested	
K23045-0015- XX	7.50m	Component Tested	
K23045-0015- XX	10.0m	Component Tested	
K23045-0015- XX	15.0m	Channel Tested	
K23045-0015- XX	20.0m	Channel Tested	
K23045-0015- XX	30.0m	Channel Tested	
XX = Color			
BK = Black	BL = Blue	GN = Green	
GY = Grey	RD = Red	WH = White	
YL = Yellow			



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