

2L-29330

300 m HDBaseT 3.0 U/FTP Cat 6A Cable



Engineered to simplify AV / IT integration, the 2L-29330 U/FTP Cat 6A Cable features HDBaseT 3.0 technology to provide uncompressed transmission of up to True 4K video, audio, Ethernet, power, and control signals across 100m with the support for sweep frequencies up to 500 MHz. The cable length of 300m can be tailored to fit your precise needs, adding flexibility for various project requirements. The 2L-29330 is not attached with RJ-45 connector, so it is highly recommended to order ATEN 2A-245G Cat 6A RJ-45 connector individually for better performance.

The 2L-29330 features four individually Al-Mylar tape-shielded pairs of 23 AWG wire, further protected by an overall braid of tinned copper. The shielding provides protection against electromagnetic interference (EMI); the jacket is made of eco-friendly Low Smoke Zero Halogen (LSZH) materials for increased safety, particularly in the event of a fire.

The 2L-29330 is HDBaseT Recommended Cable and works seamlessly with ATEN HDBaseT extenders, splitters, and matrix switches, making it a versatile choice for any AV / IT setup. This cable is perfect for large-scale installations where long-distance, high-quality AV and control signal transmission is crucial, such as conference rooms, lecture halls, banquet halls, museums, and exhibition

The 2L-29330 is engineered for professional environments that demand superior performance over long-distances. Its extended length and advanced shielding ensure that users AV and IT systems operate at peak efficiency, delivering uncompressed True 4K signals without interference.



Features

- 2L-29330 is HDBaseT Recommended Cable
- . Meets HDBaseT 3.0 standard for uncompressed multi-signal transmission up to 16 Gbit/s bandwidth, including True 4K video, audio, Ethernet, power, and control
- The length of a reel of 2L-29330 is 300 m tailored to specific lengths up to 100 m based on practical usage
- Resistant to electromagnetic interference (EMI) and radio frequency interference (RFI) brought by walkie-talkies or any other radio devices to prevent AV signal disturbance Conductor material: 23 AWG solid bare copper
- Tested transmission up to 500 MHz, according to ISO 11801 class EA, ANSI/TIA-568.2-D, and IEC 60332-1 standards
- Outer shielded material: Al Mylar tape and braid Low Smoke Zero Halogen (LSZH) copper cable eco-friendly material design for better safety
- Compatible with ATEN's HDBaseT extenders, splitters, and matrix switches

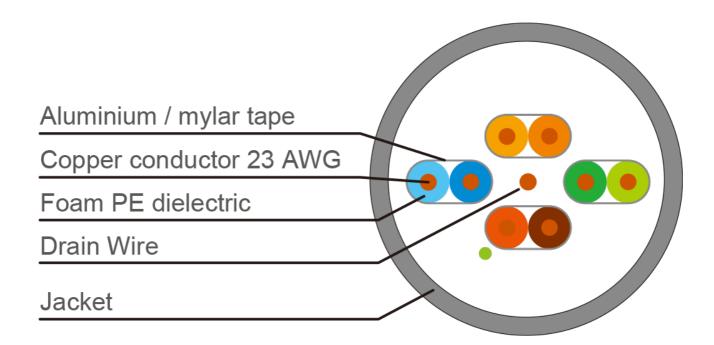


Specification

Cardisct Ength Solom / Sect Conductor Size 23AWG Construction Material Material Material Fourmod PE, 1.46 +- 0.1mm Material Fourmod PE, 1.46 +- 0.1mm Material Fourmod PE, 1.46 +- 0.1mm Material Fourmod PE, 1.46 0.1mm Tolletor oddes Uph Compa / Charge Uph Comp	Cable Type	Cat 6A U/FTP
Size		
Size	· · · · · · · · · · · · · · · · · · ·	
Material Solid plain annealed bare copper wire		anus.
Material Solid plain annealed bare copper wire Number of Pairs 4 twisted pairs, 2 single conductors paired Insulation Material Foamed PE, 1.46 ±-0.1mm Color codes United pair color code: Light Ribe Light Crange Change Light Crange Light		
Number of Pairs	Construction	·
Insulation Material Foamed PE , 1.46 +/- 0.1mm Twisted pair color code: Light Blue / Blue	Material	Solid plain annealed bare copper wire
Material Foarned PE . 1.46 +/- 0.1mm	Number of Pairs	4 twisted pairs, 2 single conductors paired
Twisted pair color code: Light Blue Blue Light Careen Careen Light Blue Blue Light Careen Careen Light Brown Flown Binder	Insulation	
Light Blue Change Change Light Crange Change Ch	Material	Foamed PE , 1.46 +/- 0.1mm
Material Polyester	Color codes	Light Blue / Blue Light Orange / Orange Light Green / Green
Shield Material A layer of aluminum-foil laminated tape	Binder	
Material A layer of aluminum-foil laminated tape Drain Wire 26AWG Construction 26AWG Jacketed	Material	Polyester
Drain Wire Construction 26AWG Jacketed Material LSZH (Low Smoke Zero Halogen) Diameter 7.2+/-0.5 mm Color Gray Electrical DC Resistance 9.38 Ω (max.) / 100m at 20 °C Propagation Delay 535.6ns (max.) / 100m at 500Mhz Propagation Delay Skew 45ns Max/100m Insertion Loss 45.3 dB (max.) / 100m at 500Mhz Impedance 100+/-15 Ω Environmental -20°C to 60°C Physical Properties -20°C to 60°C Physical Properties -20°C to 60°C Standard Support ANSI/TIA-568.2-D	Shield	
Construction 26AWG Jacketed Material LSZH (Low Smoke Zero Halogen) Diameter 7.2+/-0.5 mm Color Gray Electrical DC Resistance 9.38 Ω (max.) / 100m at 20 °C Propagation Delay 535.6ns (max.) / 100m at 500Mhz Propagation Delay Skew 45ns Max/100m Insertion Loss 45.3 dB (max.) / 100m at 500Mhz Impedance 100+/-15 Ω Environmental Temperature (Operating / Storage) -20°C to 60°C Physical Properties Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Material	A layer of aluminum-foil laminated tape
Jacketed	Drain Wire	
Material LSZH (Low Smoke Zero Halogen) Diameter 7.2+/-0.5 mm Color Gray Electrical DC Resistance Propagation Delay 535.6ns (max.) / 100m at 20 °C Propagation Delay Skew 45ns Max/100m Insertion Loss 45.3 dB (max.) / 100m at 500Mhz Impedance 100+/-15 Ω Environmental -20°C to 60°C Physical Properties Weight Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Construction	26AWG
Diameter 7.2+/-0.5 mm	Jacketed	
Color Gray Electrical 9.38 Ω (max.) / 100m at 20 °C Propagation Delay 535.6ns (max.) / 100m at 500Mhz Propagation Delay Skew 45ns Max./100m Insertion Loss 45.3 dB (max.) / 100m at 500Mhz Impedance 100+/-15 Ω Environmental -20°C to 60°C Physical Properties 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Material	LSZH (Low Smoke Zero Halogen)
Electrical	Diameter	7.2+/-0.5 mm
DC Resistance 9.38 Ω (max.) / 100m at 20 °C	Color	Gray
Propagation Delay 535.6ns (max.) / 100m at 500Mhz	Electrical	
Propagation Delay Skew 45ns Max./100m Insertion Loss 45.3 dB (max.) / 100m at 500Mhz Impedance 100+/-15 Ω Environmental -20°C to 60°C Physical Properties 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	DC Resistance	9.38 Ω (max.) / 100m at 20 °C
Insertion Loss	Propagation Delay	535.6ns (max.) / 100m at 500Mhz
Impedance 100+/-15 Ω Environmental -20°C to 60°C Physical Properties 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Propagation Delay Skew	45ns Max./100m
Environmental Temperature (Operating / Storage) -20°C to 60°C Physical Properties Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Insertion Loss	45.3 dB (max.) / 100m at 500Mhz
Temperature (Operating / Storage) -20°C to 60°C Physical Properties Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Impedance	100+/-15 Ω
Physical Properties Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Environmental	
Weight 17.00 kg (37.44 lb) Standard Support ANSI/TIA-568.2-D	Temperature (Operating / Storage)	-20°C to 60°C
Standard Support ANSI/TIA-568.2-D	Physical Properties	
Standard Support ANSI/TIA-568.2-D HDBaseT 3.0 Premium cable	Weight	17.00 kg (37.44 lb)
<u> </u>	Standard Support	



Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan Phone: 886-2-8692-6789 Fax: 886-2-8692-6767 www.aten.com E-mail: marketing@aten.com

