2L-2801

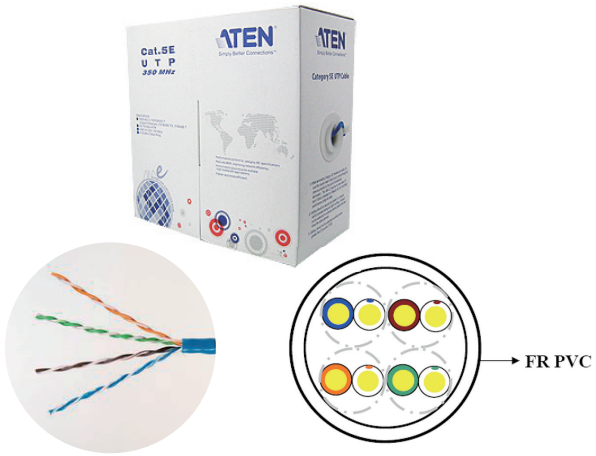
Low Skew Cat 5e Cable

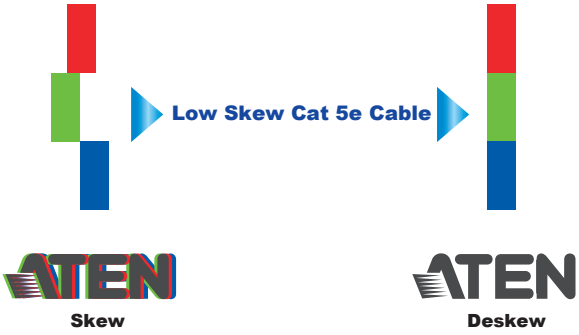
What is skew??

Analog video presents a high quality image when the computer is directly connected to the monitor by short cables. However, in today's data centers, labs, stores, as well as in digital signage installalations, video cables may be long, bulky, and expensive. To overcome these practical video cable length limits, KVM switches – in addition to both KVM extenders and VGA-only extenders – are used that send video through Cat 5e cables. "Skew" is the color phase and time errors that occur when R/G/B video signals are sent long distance over Cat 5e cables, and this can result in smeared, unsharp, color-fringed images that become visibly worse the longer the cables.

Why you need Low Skew Cat 5e Cable ?

To remedy this skew distortion, ATEN has developed the Low skew Cat 5e cable 2L-2801. This 305 m/ 1000 ft, high performance Cat 5e cable is suitable for the audio and video transmission of a wide range of video and KVM Extenders. This low skew cable is specifically designed for RGB video applications such as digital signage, and supports video transmissions to longer distances than traditional twisted pair Cat 5e cable does. To eliminate blur and bleeding images and to ensure the clarity of your video transmissions in all video-related applications, use 2L-2801 Low Skew Cat 5e Cable.





Features

- Supports high quality RGB video transmission
- Contains 305 m/1000 ft of low skew cable
- Delay Skew: 1 ~ 350 MHz 20nS/100m Max.
- Outer Jacket Material: FR PVC
- Outer Shield Material: Unshielded
- Conductor Material: 24 AWG solid bare copper
- Compatible with ATEN analog Cat 5 video extenders, KVM extenders, and Cat 5 KVM switches
- UL, ETL approved

Construction:

Conductor	Size	24 AWG
	Construction	Solid bare copper
	Cond. Diam.	1/0.492±0.02 mm
Insulation	Avg. Thick.	0.195 mm
	Min. Thick.	0.185 mm
	Diameter	0.880 ± 0.02 mm
	Material	HDPE
	Color codes	1.Blue × White/Blue stripe 2.Orange × White/Orange stripe 3.Green × White/Green stripe 4.Brown × White/Brown stripe
Shielded	Pair stranded	2 cores stranded
	Assembly stranded	4 pair stranded
Jacketed	Avg. Thick.	0.45 mm
	Min. Thick.	0.41 mm
	Diameter	4.80 ± 0.20 mm
	Material	FR PVC
	Color	Blue or other color

Electrical & Physical Properties

Item			24AWG × 4p
Cable Length			305 m/ 1000 ft
Conductor Resistance			9.38 Ohm/100m/20°C Max.
Mutual Capacitance			56 Pf/M Max.
Dielectric Strength			Ac 1.5 Kv/2 Sec.
Spark Test			2.5 Kv
Insulation	Unaged	Tensile Strength	2400 Psi Min. (1.69 Kg/Mm²)
		Elongation	300% Min.
	Aged	Tensile Strength	Unaged Min. 75%(100°C×48hrs)
		Elongation	Unaged Min. 75%(100°C×48hrs)
Jacketed	Unaged	Tensile Strength	2000 Psi Min.(1.41 Kg/Mm²)
		Elongation	100% Min.
	Aged	Tensile Strength	Unaged Min. 85%(100°C×240hrs)
		Elongation	Unaged Min. 50%(100°C×240hrs)
Insulation Shrinkback			150m/M, 121°C±1°C×1hr≦9.5m/M
Cold Bend Test			-20℃×4hrs No.Crack
Flame Retardant Test			CMR
Ac Leakage Current Througt Overall Jacket			Ac 1500v≦10 Ma
Dc Resistance Unbalance			5% Max.
Pair-To-Ground Capacitance Unbalance			330 Pf/100m Max.
Characteristic Impedance			1 ~ 350 Mhz 100±15 Ohms
Structural Return Loss			350 Mhz 10.6db Min.
Propagation Delay			350 Mhz 536ns/100m Max.
Delay Skew			1 ~ 350 Mhz 20ns/100m Max.
Weight			9.8KG

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2011. Version 1.0