Simply Better Connections

2L-2920

100M HDBaseT™ S/FTP Cat 6A Cable

Engineered to simplify AV / IT integration, the 2L-2920 S/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 100 m with the support for sweep frequency up to 500 MHz. In order to lower the interference from external sources and protect the signal integrity, this PVC jacketed cable consists of four individually Al-Mylar tape shielded pairs of 23 AWG wire, which are overall braided with tinned copper, delivering excellent protection against electromagnetic interference (EMI) brought by walkie-talkies or any other radio devices. Cross talk is eliminated as a result of the foamed PO insulation separating the individual stranded pair sets from each other. Compatible with ATEN HDBaseT extenders, splitters, and matrix switches, the 2L-2920 is perfect for scenarios where uncompressed True 4K AV and control signal transmission over a long distance is needed, such as conference rooms, lecture halls, banquet halls, museums and exhibition centers.

Note: The cable is attached with RJ-45 jacks by manufacturing default. Warranty void if the cable is cut or re-wired with RJ-45 jacks.

Features

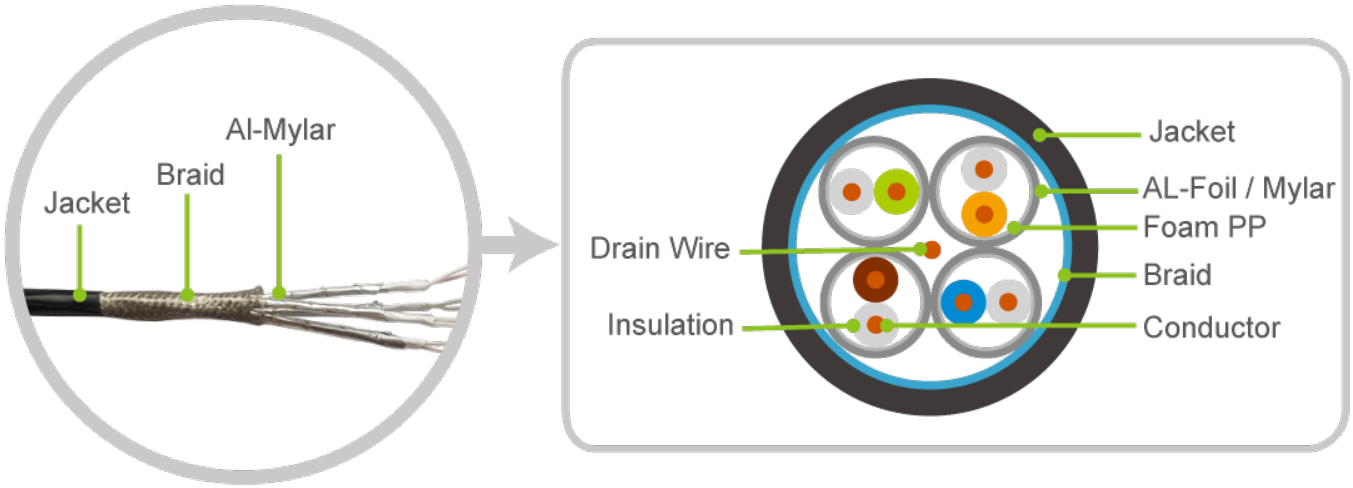
- Meets HDBaseT 3.0 standard for uncompressed multi-signal transmission across 100 m, including True 4K video, audio, Ethernet, power and control
- Supports sweep frequency up to 500 MHz
- Conductor material: 23 AWG solid bare copper
- Outer shielded material: Al Mylar tape and braid
- Braid wire: tinned copper
- Compatible with ATEN HDBaseT extenders, splitters, and matrix switches
- Resistant to electromagnetic interference (EMI) / radio frequency interference (RFI) brought by walkie-talkies or any other radio devices to prevent AV signal from disturbance.

Specifications

Cable Type	Cat 6A S/FTP
Cable Length	100m / 330ft
Conductor	
Size	23AWG
Construction	Individual shielded pair
Material	Solid bare copper
Number of Pairs	4 pairs
Insulation	
Material	Foamed Polyolefin
Color codes	Blue & White/Blue stripe 1.25 ± 0.1 mm Orange & White/Orange stripe 1.25 ± 0.1 mm Green & White/Green stripe 1.25 ± 0.1 mm Brown & White/Brown stripe 1.25 ± 0.1 mm
Binder	

Material	FOAM-PP
Coverage	110% Coverage (Overlap 10% min.)
Shield	
Material	Al Mylar tape
Coverage	100% Coverage and mylar side facing out
Drain Wire	
Construction	24AWG Tinned Stranded Copper
Braid	
Material	Tinned Copper
Coverage	80% Coverage
Jacketed	
Material	Polyvinyl chloride (PVC)
Average Thickness	0.5 mm ± 0.05mm
Diameter	9.0 mm ± 0.3mm
Color	Black
Electrical	
DC Resistance	7.3 ohms Max. /100m, 23AWG
Propagation Delay	498ns Max./100m
Propagation Delay Skew	10ns Max./100m
Insertion Loss	39dB Max. at 500Mhz / 100m
Impedance	100 ohms (nominal)
Environmental	
Operating Temperature	0°C to 50°C
Temperature (Operating / Storage)	-20°C to 60°C
Humidity	0-80% RH, Non-condensing
Physical Properties	
Connector Type	2 x RJ-45 Male (Black), Inner mold LD-PE
Over Mold	PVC
Weight	11.00 kg (24.23 lb)

Diagram



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