

## 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

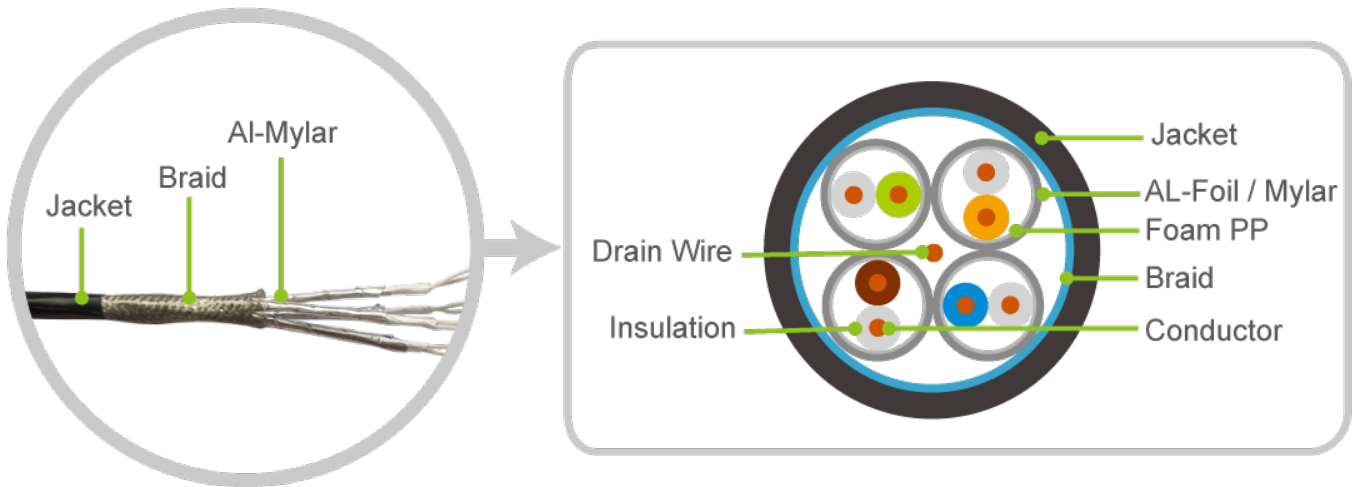
- Meets HDBaseT 3.0 standard for uncompressed multi-signal transmission across 100 m, including True 4K video, audio, Ethernet, power and control
- Supports sweep frequency up to 500 MHz
- Conductor material: 23 AWG solid bare copper
- Outer shielded material: Al Mylar tape and braid
- Braid wire: tinned 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

### Specification

|                 |                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Orange & White/Orange stripe 1.25 ± 0.1 mm<br>Green & White/Green stripe 1.25 ± 0.1 mm<br>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 $\pm$ 0.05mm                      |
| Diameter                          | 9.0 mm $\pm$ 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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