

## LSZH, Aqua Blue



US-5201ALZ-9

US-5202ALZ-9

US-5203ALZ-9

US-5205ALZ-9

US-5210ALZ-9

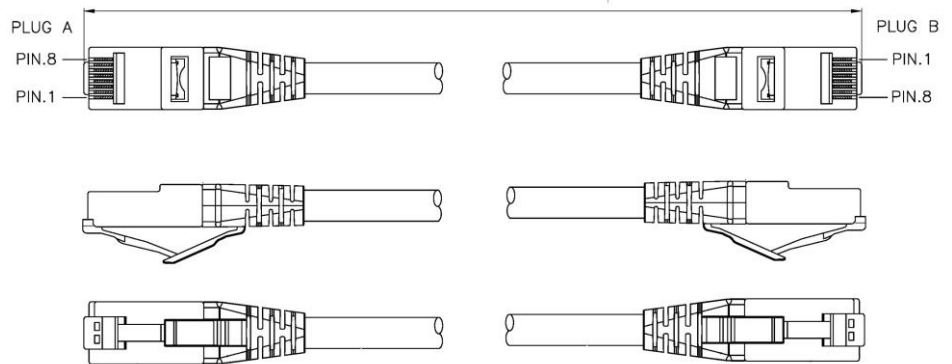
US-5215ALZ-9



## Scope of Applications

CAT 6A UTP SUPER-S Series (Smart, Small, Save) patch cord, 26AWG, LSZH compliant ISO/IEC 11801 Class EA and ANSI/TIA-568.2-D requirements for category 6A performance. The both end of the cable shall have high-performance RJ45 Crystal plug with strain relief transparent boot, excellent mechanical properties exceed IEC 60603-7, FCC Part 68 Subpart F specification. The conductor made from stranded bare copper 26 AWG. Available length in 1, 2, 3, 5, 10 and 15 meters. The patch cord shall be factory assembled with high quality control and 100% test. Environment-friends, in according with RoHS and REACH compliance. The outer jacket material made from LSZH compound to reduces the amount toxic smoke and corrosive has emitted during burned, for users' safety.

## Drawing



## Technical Standards

- ANSI/TIA-568.2-D Category 6A
- ANSI/TIA-568-C.2 Category 6A
- ISO/IEC 11801:2017 class EA
- EN 50173-1 Category 6A
- EN 50288-11-1
- IEC 61156-6
- IEC 60332-1
- IEC 61034-1, IEC61034-2
- IEC 60754-1, IEC 60754-2
- IEC 60603-7, FCC Part 68 Subpart F
- UL 1863
- ETL Verified to Category 6A
- RoHS Compliant



## Cable Construction

|                                       |                         |   |
|---------------------------------------|-------------------------|---|
| <b>Conductor</b>                      | <b>Material</b>         | Stranded bare Copper                              |
|                                       | <b>No. of Conductor</b> | 4 Pairs (8 wires)                                 |
|                                       | <b>Diameter</b>         | 26 AWG  |
| <b>Insulation</b>                     | <b>Material</b>         | HDPE  |
|                                       | <b>Diameter</b>         | 0.98±0.05 mm                                      |
| <b>Insulated Conductor Color Code</b> | <b>Pair 1</b>           | White-Blue / Blue                                 |
|                                       | <b>Pair 2</b>           | White / Orange                                    |
|                                       | <b>Pair 3</b>           | White / Green                                     |
|                                       | <b>Pair 4</b>           | White / Brown                                     |
| <b>Rip cord</b>                       |                         | Under Jacket                                      |
| <b>Filler Slot (Cross Filler)</b>     | <b>Material</b>         | PE  |
| <b>Wrapping</b>                       |                         | Protection Barrier Tape                           |
| <b>Jacket</b>                         | <b>Material</b>         | Lead free, FR-LSZH                                |
|                                       | <b>Cable Diameter</b>   | 5.90±0.2 mm                                       |
|                                       | <b>Color</b>            | Aqua Blue   |
| <b>Flame Rating</b>                   |                         | LSZH (Low Smoke Zero Halogen)                     |
| <b>Boot</b>                           | <b>Material</b>         | Transparent high Impact Polycarbonate, UL94V-0    |
| <b>Plug Housing</b>                   | <b>Material</b>         | transparent polycarbonate with LINK logo, UL94V-0 |
| <b>Pin Contact</b>                    | <b>Material</b>         | Phosphor Bronze, 50 μ-inch of gold plating        |

## Electrical Characteristic

|                                |                       |
|--------------------------------|-----------------------|
| <b>Insulated Resistance</b>    | 500 Mega ohms minimum |
| <b>Dielectric Withstanding</b> | 1000 VDC              |
| <b>Contact Resistance</b>      | 20 Milli ohms maximum |

## Physical Properties

|                               |                               |               |
|-------------------------------|-------------------------------|---------------|
| <b>Pulling Force</b>          | 50 N (11.24 lbs) minimum      |               |
| <b>Durability</b>             | 1000 cycle                    |               |
| <b>Minimum Bending Radius</b> | 8 X Cable Diameter            |               |
| <b>Wiring Pattern</b>         | T568B                         |               |
| <b>Temperature</b>            | <b>Installation/Operation</b> | -20°C to 75°C |
|                               | <b>Storage</b>                | -20°C to 80°C |



## Applications

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 1000 BASE-TX (TIA/EIA-854)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3i Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (Type4)
- TP-PMD, TPDDI, ISDN, CDDI, VoIP
- EtherCAT Industrial standard, HDBaseT 2.0 standard
- Baseband, Broadband
- Digital and analog for data, video and audio application

## Order Information

| Part number  | Description                     | Color     | Length | Package |
|--------------|---------------------------------|-----------|--------|---------|
| US-5200ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 0.5 m  | Pack    |
| US-5201ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 1 m    | Pack    |
| US-5202ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 2 m    | Pack    |
| US-5203ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 3 m    | Pack    |
| US-5205ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 5 m    | Pack    |
| US-5210ALZ-9 | CAT 6A UTP Super-S Series, LSZH | Aqua Blue | 10 m   | Pack    |

\*Available other color and length on request

Specifications subject to change without notice.

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