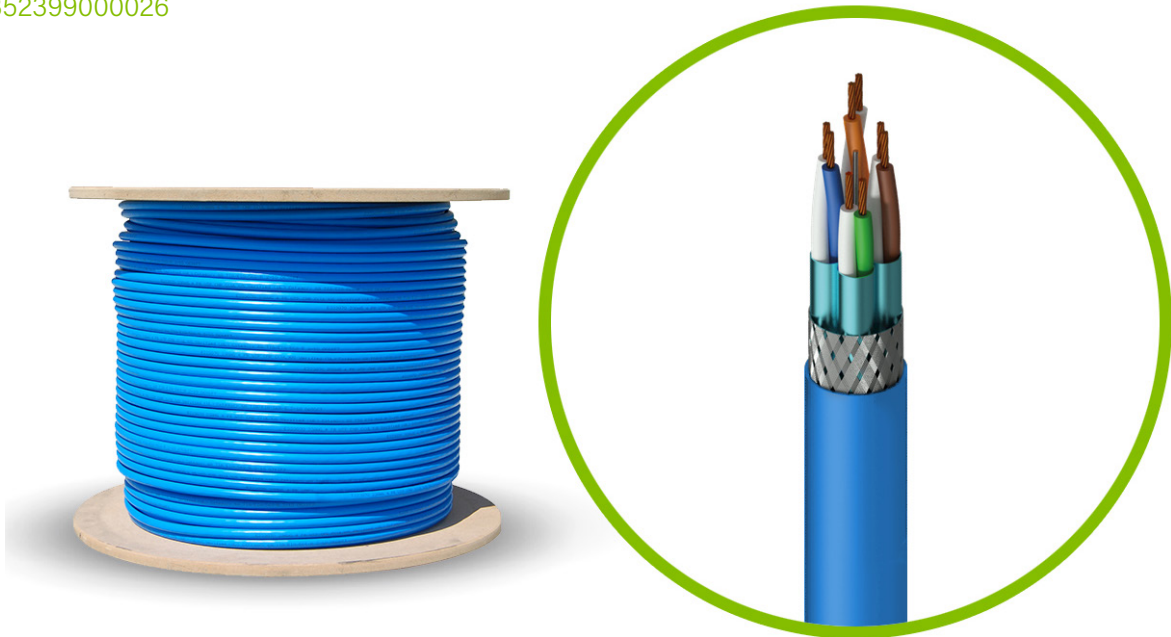


CAT6A 305M NETWORK CABLE - SFTP, SOLID, LSZH 23AWG - BLUE

PART NUMBER: C6ASFTSL305-BU
 BARCODE: 9352399000026



AVAILABLE COLOURS



PRODUCT DESCRIPTION

Serveredge CAT6A 305m Network Cable - SFTP, Solid, LSZH 23AWG can be used to connect a variety of devices in a high-speed network. This cable is twisted in pairs; The cable has braided shield going around the 4 pairs with each pair being shielded by an aluminium magnesium alloy foil reducing NearEnd Crosstalk (NEXT) and increasing performance. Protecting the cable is an outer jacket made of LSZH (low smoke zero halogens). It's packaged on a wooden reel with sequential measurement markings on the jacket. The cable meets and exceeds all CAT6A TIA/EIA standards, and drastically reduces both impedance and structural return loss (SRL). The cable is made from the highest quality copper to maximize performance.

PRODUCT FEATURES

- ISO/IEC 11801 Ed. 2.2 (Class EA)
- IEC 61156-5:2009 (Category 6A)
- ANSI/TIA-568-C.2 (Category 6A)
- Supports all applications designed to operate over Category 6A or lower rated systems
- Sequential measurement markings on jacket
- Come in a variety of colours
- Easy & Effective to use pull box packaging
- Supports up to 10GBASE-T applications
- 25 Year Warranty*

PRODUCT SPECIFICATION

| | |
|--|--|
| Sheath material: | Low smoke zero halogen (LSZH) |
| Wall thickness of sheath: | 0.50mm |
| Rip cord under sheath: | Yes |
| Insulation material: | PE-Foam/Skin-PE |
| Insulation thickness: | 0.385mm |
| Conductor material: | Soft annealed bare copper wire |
| Cable construction: | Each twisted pair is individually shielded with a metal foil |
| Braided Material: | Aluminum magnesium alloy wire |
| Braided shielding wave density: | >30% |
| Cable colours: | Blue |
| Twisted pair lay length: | ≤30mm |

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ELECTRICAL PERFORMANCE AT 20°C

LOW FREQUENCY AND D.C

| Item | Parameter | Note |
|---------------------------------|---------------------------------|------|
| Conductor resistance | ≤9.38Ω/100m | |
| Insulation resistance | ≥5000MΩKm (DC500V Charged 1min) | |
| Voltage endurance | DC 1000V/min without breakdown | |
| Mutual capacitance | ≤5.6nF/100m | |
| Core-core resistance unbalanced | ≤5.0% | |

HIGH FREQUENCY PERFORMANCE

| Freq | Attenuation ≤ dB/100m | RL ≥ dB/100m | Next ≥DB/100m | PS - Next ≥dB/100m | ACRF ≥dB/100m | PSACRF ≥dB>100m | Remark |
|-----------|-----------------------|--------------|---------------|--------------------|---------------|-----------------|-------------------------------------|
| 1 MHz | 2.1 | 20 | 74.3 | 72.3 | 67.8 | 64.8 | 100m cable tested unwind in the air |
| 4 MHz | 3.8 | 23 | 65.3 | 63.3 | 55.8 | 52.8 | |
| 8 MHz | 5.3 | 24.5 | 60.8 | 58.8 | 49.7 | 46.7 | |
| 10 MHz | 5.9 | 25 | 59.3 | 57.3 | 47.8 | 44.8 | |
| 16 MHz | 7.5 | 25 | 56.2 | 54.2 | 43.7 | 40.7 | |
| 20 MHz | 8.4 | 25 | 54.8 | 52.8 | 41.8 | 38.8 | |
| 25 MHz | 9.4 | 24.3 | 53.3 | 51.3 | 39.8 | 36.8 | |
| 31.25 MHz | 10.5 | 23.6 | 51.9 | 49.9 | 37.9 | 34.9 | |
| 62.5 MHz | 15 | 21.5 | 47.4 | 45.4 | 31.9 | 28.9 | |
| 100 MHz | 19.1 | 20.1 | 44.3 | 42.3 | 27.8 | 24.8 | |
| 200 MHz | 27.6 | 18 | 39.8 | 37.8 | 21.8 | 18.8 | |
| 250 MHz | 31.1 | 17.3 | 38.3 | 36.3 | 19.8 | 16.8 | |
| 300 MHz | 34.3 | 16.8 | 37.1 | 35.1 | 18.3 | 15.3 | |
| 400 MHz | 40.1 | 15.9 | 35.3 | 33.3 | 15.8 | 12.8 | |
| 500 MHz | 45.3 | 15.2 | 33.8 | 31.8 | 13.8 | 10.8 | |

GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. Serveredge CAT6A UTP cable comes with a 25-year Warranty for that extra piece of mind. Subject to Serveredge Terms and Conditions*