

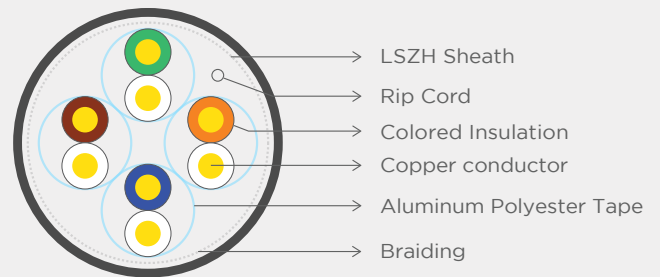
# estelan

## Cat 6A S/FTP Cable



### Application:

- Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500 MHz.
- This cable complies to the requirements of ANSI/TIA-568.2-D & ISO/IEC 11801.



### Standards:

- Compatible with all common systems according to ANSI/TIA-568.2-D & ISO/IEC 11801
- IEEE 802.3af / at / bt

### Flame Resistance:

Comply to IEC 60332-1

### Construction:

|                        |   |
|------------------------|---|
| Conductor              | 23 AWG Solid bare Copper                |
| Insulation             | Foamed Polyethylene                     |
| Pairs                  | 2 Insulated conductors twisted together |
| Individual Pair Shield | Aluminum / Polyester Tape               |
| Overall Shield         | Tinned Copper Braiding 35%              |
| Sheath                 | LSZH                                    |
| Cable Diameter         | 7.5 ± 0.4 mm                            |

### Mechanical Properties:

Bending Radius : Min. 8 x Cable Diameter  
 Pulling Force : 11.5Kg

#### Temperature Range

Operation : -20° to +70°C  
 Installation : 0° to + 50°C

**Electrical Properties at 20°C:**

|                          |                |                       |              |
|--------------------------|----------------|-----------------------|--------------|
| Characteristic Impedance | : 100 + 15Ω    | Resistance Unbalance  | : 5% Max     |
| Conductor Resistance     | : ≤ 9.38Ω/100m | Capacitance Unbalance | : 330pF/100m |
| Mutual Capacitance       | : < 5.6nF/100m | Delay Skew            | : < 45nS     |

**Transmission Characteristics PER 90 M PERMANENT LINK AT 20±3 °C**

| Freq. (MHz) | IL(dB) Max | RL (dB) Min. | NEXT (dB) Min. | PSNEXT (dB) Min. | ELFEXT (dB) Min. | PSELFEXT (dB) Min. | Prop.Delay (ns) Max. |
|-------------|------------|--------------|----------------|------------------|------------------|--------------------|----------------------|
| 1           | 1.9        | 19.1         | 65             | 62               | 64.2             | 61.2               | 521                  |
| 4           | 3.5        | 21           | 64.1           | 61.8             | 52.1             | 49.1               | 504                  |
| 8           | 5          | 21           | 59.4           | 57               | 46.1             | 43.1               | 500                  |
| 10          | 5.5        | 21           | 57.8           | 55.5             | 44.2             | 41.2               | 498                  |
| 16          | 7          | 20           | 54.6           | 52.2             | 40.1             | 37.1               | 496                  |
| 20          | 7.8        | 19.5         | 53.1           | 50.7             | 38.2             | 35.2               | 495                  |
| 25          | 8.8        | 19           | 51.5           | 49.1             | 36.2             | 33.2               | 495                  |
| 31.25       | 9.8        | 18.5         | 50             | 47.5             | 34.3             | 31.3               | 494                  |
| 62.5        | 14         | 16           | 45.1           | 42.7             | 28.3             | 25.3               | 492                  |
| 100         | 18         | 14           | 41.8           | 39.3             | 24.2             | 21.2               | 491                  |
| 200         | 26.1       | 11           | 36.9           | 34.3             | 18.2             | 15.2               | 490                  |
| 250         | 29.5       | 10           | 35.3           | 32.7             | 16.2             | 13.2               | 490                  |
| 300         | 32.7       | 9.2          | 34             | 31.4             | 14.6             | 11.6               | 490                  |
| 400         | 38.4       | 8            | 29.9           | 27.1             | 12.1             | 9.1                | 490                  |
| 500         | 43.8       | 8            | 26.7           | 23.8             | 10.2             | 7.2                | 490                  |

**Color Code:**

|         |                  |         |                 |
|---------|------------------|---------|-----------------|
| PAIR NO | COLOR            | PAIR NO | COLOR           |
| 1-2     | White and Orange | 4-5     | White and Blue  |
| 3-6     | White and Green  | 7-8     | White and Brown |

**Jacket Color (C1 C2):**

Cable is available in

 Violet (05)

**Packing (P1 P2):** Available in 305M (04) /500M (05) reels.

**Product Code / Part No:**

| Part No        | Product Name      | Euro Class | ETL Verified | UL Listed | UL Verified |
|----------------|-------------------|------------|--------------|-----------|-------------|
| 32627-C1C2PIP2 | Cat 6A S/FTP-LSZH | CPR-Eca    | on demand    | on demand | on demand   |

Note: Higher CPR Category will be made available on demand

01/042023



The information given herein, including drawings, illustrations and schematics are intended for illustration purposes only and is believed to be reliable. However, Sterlite Technologies makes no warranties to its accuracy or completeness and disclaims any liability in connection with its use. Sterlite Technologies obligations shall be only set forth in Sterlite Technologies standard terms and conditions of the sale and in no case, Sterlite Technologies be liable for any incidental, indirect or consequential damages arising out of sale, resale, use or misuse of the product.

Users of Sterlite Technologies products should make their own evaluation to determine the suitability of such each product for the specific application.