

# 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 (10GBASE-T) standard. Operates at bandwidth of 500 MHz.
- This cable complies to the requirement of ANSI/TIA-568.2-D & ISO/IEC 11801.

### Standards:

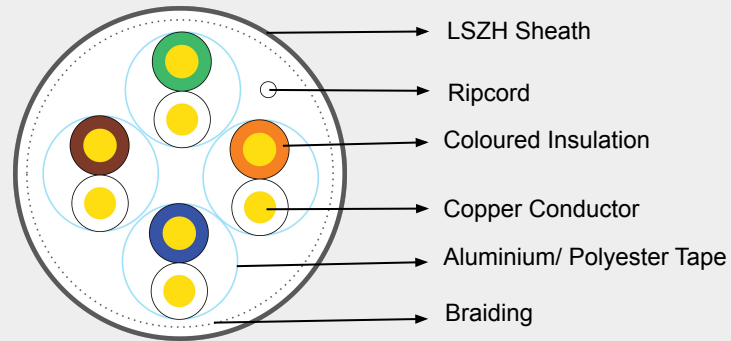
- Compatible with all common systems according to ANSI/TIA-568.2-D & ISO/IEC 11801
- IEEE 802.3af / at / bt

### 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	Aluminium / 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 at 20°C





Freq. (MHz)	Max attenuation (dB/100 M)	Min.RL (dB)	Min.NEXT (dB)	Min.PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Prop.Delay (ns) Max.
1	2.1	20.0	74.3	72.3	67.8	64.8	570
4	3.8	23.0	65.3	63.3	55.8	52.8	552
10	5.9	25.0	59.3	57.3	47.8	44.8	545
16	7.5	25.0	56.2	54.2	43.7	40.7	543
20	8.4	25.0	54.8	52.8	41.8	38.8	542
31.25	10.5	23.6	51.9	49.9	37.9	34.9	540
62.5	15	21.5	47.4	45.4	31.9	28.9	539
100	19.1	20.1	44.3	42.3	27.8	24.8	538
200	27.6	18.0	39.8	37.8	21.8	18.8	537
250	31.1	17.3	38.3	36.3	19.8	16.8	536
300	34.3	16.8	38.1	35.1	18.3	15.3	536
500	45.3	15.2	34.8	31.8	13.8	10.8	536

### Colour Code:

PAIR No	COLOUR
1-2	White and Orange
3-6	White and Green

PAIR No	COLOUR
4-5	White and Blue
7-8	White and Brown

### Jacket Colour (C1 C2):

	Grey (01)		Blue (02)
	Red (03)		White (04)
	Violet (05)		Orange (06)
	Yellow (07)		

**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-C1C2P1P2	Cat 6A S/FTP-LSZH	CPR-Eca	✓	on demand	on demand

Note: Higher CPR Category will be made available on demand

02/02025



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