

estelan

Cat6 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 (1000 Base-T) standard. Operates at bandwidth of 250MHz.
- This cable well exceeds the requirements of ANSI/TIA-568.2-D & ISO/IEC 11801 Ed. 2.0

Standards:

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

Flame Resistance:

- Flammability Test – IEC 60332-1
- Acid Gas Emission Test – IEC 60754
- Smoke Density – IEC 61034

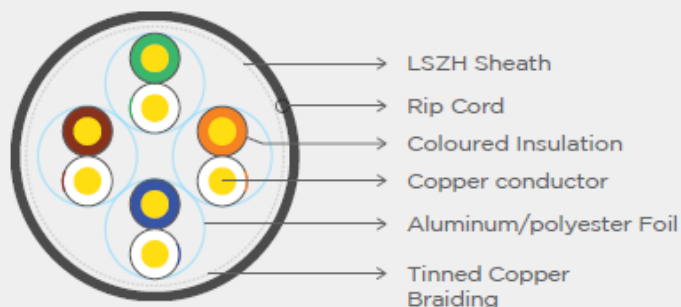
Construction:

Conductor	23 AWG Solid bare Copper
Insulation	High Density Polyethylene Foam
Pairs	2 Insulated conductors twisted together
Inner Shield	Aluminum / Polyester Foil
Overall Shield	Tinned Copper Braiding (Coverage : 35% Nominal)
Sheath	LSZH
Cable Diameter	7.5 ± 0.3 mm

Mechanical Properties:

Bending Radius : 8 X Cable Diameter at -20°C ± 1°C
 Pulling Force : 11.5 Kg

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



Electrical Properties at 20°C:

Characteristic Impedance : 100 + 15Ω

Conductor Resistance : ≤ 7.8Ω/100m

Mutual Capacitance : < 5.6nF/100m

Resistance Unbalance : 5% Max

Capacitance Unbalance : 330pF/100m

Delay Skew : < 45nS








Transmission Characteristics at 20°C:

Freq. (MHz)	IL(dB) Max	RL (dB) Min.	NEXT (dB) Min.	PSNEXT (dB) Min.	ELFEXT (dB) Min.	PSELFEXT (dB) Min.	ACR (dB) Min	PSACR(dB) Min
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5

Color Code:

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

Jacket Color (C1 C2):

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

Packaging:
(P1 P2)

Available in Reels of 305m (04) & 500m (05)

Product Code / Part No:

Part No	Product Name	Euro Class
22627-C1C2P1P2	Cat6 S/FTP-LSZH	CPR-Eca

Refer to Jacket Color and Packaging details for C1C2 and P1P2 respectively

23/01/2025



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