estelan

Cat 6A S/FTP Cable

CPR COMPLIANT Construction Products Regulation EN 50575

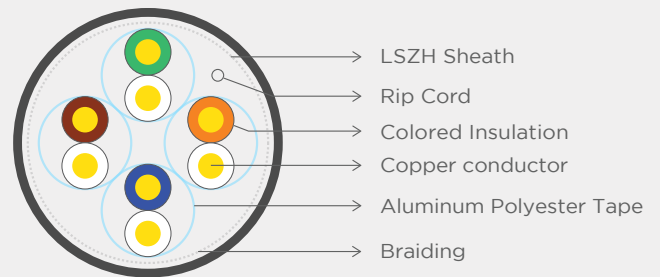**PoE**

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.

LSZH Sheath
Rip Cord
Colored Insulation
Copper conductor
Aluminum Polyester Tape
Braiding

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 ºC

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

Note: Higher CPR Category will be made available on demand

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