

# estelan

## Cat6A U/FTP Cable

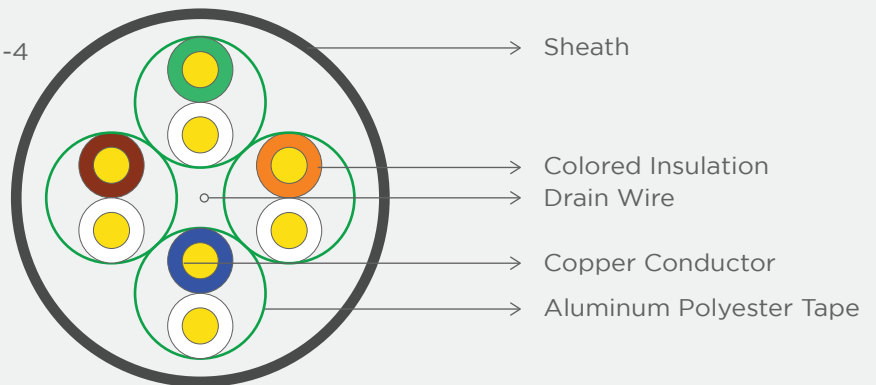


### Application:

- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T, 10Gbase-T
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Power over Ethernet (PoE / PoE+) / Type 1-4

### Standards:

- ANSI / TIA-568.2-D & ISO / IEC 11801
- EN 50173-1; EN 50288-10-1
- IEC 61156-5
- IEEE 802.3 af / at / bt



### Flame Resistance:

LSZH: EN 60332-1; EN 60754-1 & 2, EN 61034-2, Class CPR-Eca

### Construction:

Conductor	ETP-grade copper Ø 23 AWG
Insulation	Foamed Polyethylene
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs
Shield	Individual pair shielded with aluminum polyester tape, tinned copper drain wire
Sheath	LSZH
Nominal Cable Diameter	7.5 mm

### Mechanical Properties:

Bending Radius : Min 8 x Cable Diameter at  $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$   
 Pulling Force : 112 N

#### Temperature Range

Installation :  $0^{\circ}$  to  $+50^{\circ}\text{C}$   
 Operation :  $-20^{\circ}$  to  $+70^{\circ}\text{C}$

**Electrical Properties at 20°C:**

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


**Transmission Characteristics at 20°C:**

Frequency (MHz)	IL (dB) Max.	RL (dB) Min.	NEXT (dB) Min.	PSNEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.	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	547
16	7.5	25.0	56.2	54.2	43.7	40.7	545
20	8.4	25.0	54.8	52.8	41.8	38.8	543
31.25	10.5	23.6	51.9	49.9	37.9	34.9	542
62.5	15	21.5	47.4	45.4	31.9	28.9	541
100	19.1	20.1	44.3	42.3	27.8	24.8	540
200	27.6	18.0	39.8	37.8	21.8	18.8	539
250	31.1	17.3	38.3	36.3	19.8	16.8	538
300	34.3	16.8	38.1	35.1	18.3	15.3	537
500	45.3	15.2	33.8	31.8	13.8	10.8	536

**Color Code:**

PAIR NO	COLOR
1	White and Blue
2	White and Orange
3	White and Green
4	White and Brown

**Jacket Color (C1 C2):**

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

**Packaging:** Available in Reel of 305m(1000ft) (04) / Reel of 500 m(1640ft) (05)  
 (P1 P2) Length Tolerance: +/- 2 meter

**Product Code / Part No:**

Part No	Product Name	Euro Class	ETL Verified	UL Listed	UL Verified
32527-C1C2P1P2	Cat 6A U/FTP-LSZH	CPR-Eca	✓	on demand	on demand

Note: Higher CPR Category will be made available on demand

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