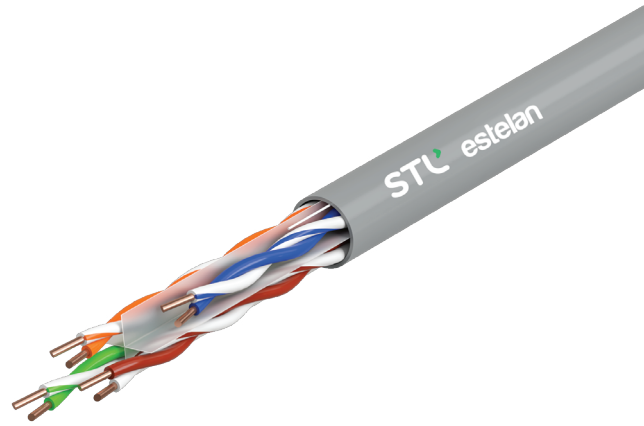


# estelan

## Cat6 U/UTP Cable



### Application:

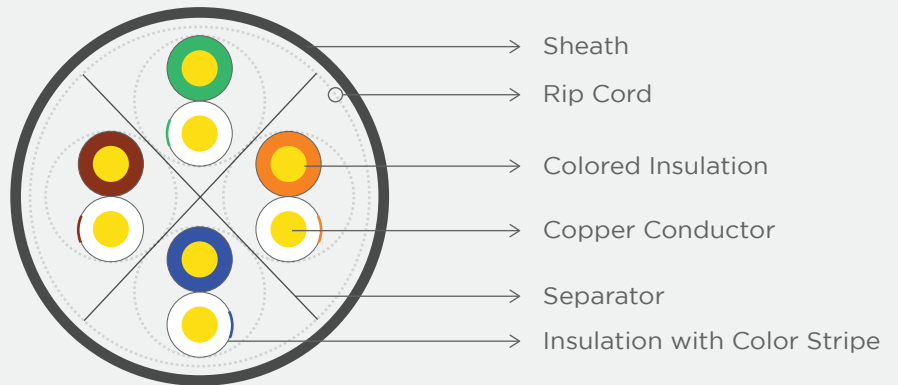
- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Standards:

- ANSI / TIA-568.2-D
- ISO / IEC 11801 2nd ed; IEC 61156 - 5;
- EN 50173-1, EN 50288-6-1
- IEEE 802.3af / at / bt

### Flame Resistance:

- LSZH: EN 60332-1; 60754-1 & 2;  
 EN 61034-2; Class CPR-Eca  
 PVC: EN 60332-1 Class CPR-Eca  
 PE: Class CPR-Fca



### Construction:

Conductor	ETP-grade copper Ø 24 AWG
Insulation	Polyolefin
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs / Polymer cross filler
Sheath	LSZH / PVC / PE
Nominal Cable Diameter	5.8 mm

### Mechanical Properties:

Bending Radius : < 4 X Cable Dia. (mm) at -20°C ± 1°C  
 Pulling Force : 112 N

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

**Electrical Properties at 20°C:**

Conductor Resistance : < 9.38 Ω / 100m  
 Mutual Capacitance : < 5.6nF / 100m  
 Resistance Unbalance (Ind.) : 5% Max

Capacitance Unbalance : 330pF / 100m  
 Delay Skew : < 45nS









**Transmission Characteristics at 20°C:**

Frequency (MHz)	Insertion Loss (dB) Max.	RL (dB) Min.	NEXT*(dB) Min.	PSNEXT(dB) Min.	ACR-F (dB) Min.	PSACRF (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	7.9	19.5	53.1	50.7	38.2	35.2	495
25	8.9	19	51.5	49.1	36.2	33.2	495
31.25	10	18.5	50	47.5	34.3	31.3	494
62.5	14.4	16	45.1	42.7	28.3	25.3	492
100	18.6	14	41.8	39.3	24.2	21.2	491
200	27.4	11	36.9	34.3	18.2	15.2	490
250	31.1	10	35.3	32.7	16.2	13.2	490

**Color Code:**

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

**Jacket Color (C1 C2):**

 Grey <b>(01)</b>	 Blue <b>(02)</b>
 Red <b>(03)</b>	 White <b>(04)</b>
 Violet <b>(05)</b>	 Orange <b>(06)</b>
 Yellow <b>(07)</b>	 PE-Black <b>(08)</b>

**Packaging:** Available in Reelex II packing of 305m (1000 ft) **(03)**;  
 Available in Reel in box of 305m (1000ft) **(04)**; Reel of 500m (1640ft) **(05)**  
 Length Tolerance: +/- 2 meter



**Product Code / Part No:**

Part No	Product Name	Euro Class	ETL Verified	UL Listed	UL Verified
22137-C1C2P1P2	Cat6 U/UTP-LSZH-24AWG	CPR-Eca	on demand	on demand	on demand
21137-C1C2P1P2	Cat6 U/UTP-PVC-24AWG	CPR-Eca	✓	✓	✓

Note : Higher CPR Category will be made available on demand

01/042023



VERIFIED  
ZERO WASTE  
TO LANDFILL



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