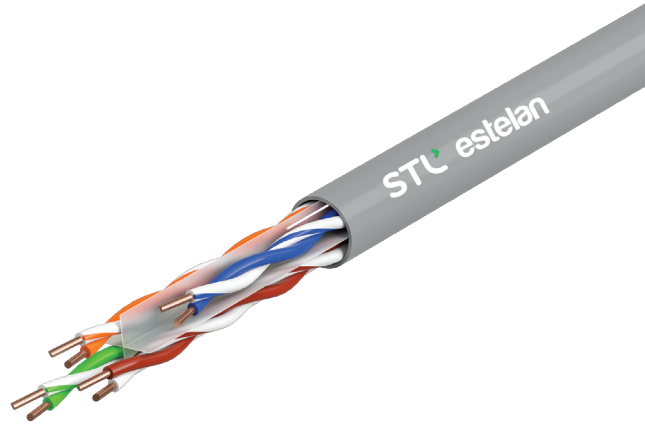


estelan

Cat6 U/UTP Cable



Application:

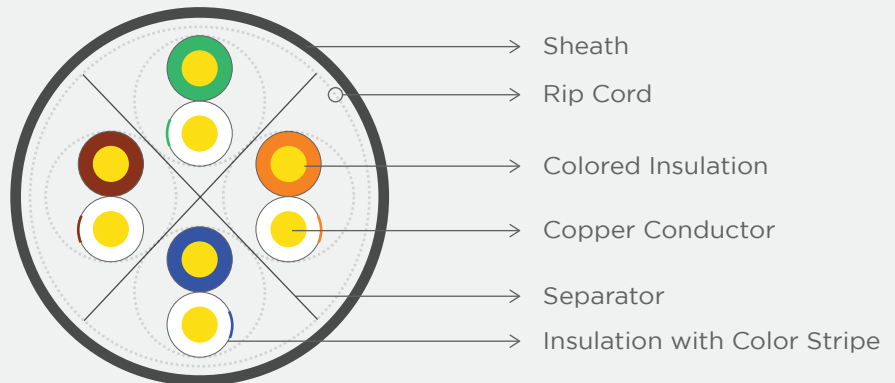
- Horizontal Cabling, Backbone Cabling, Digital and Analog Audio and Video Signal Transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM

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 23 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	6.0 mm (Simplex)

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)	IL (dB) Max.	RL (dB) Min.	NEXT*(dB) Min.	PSNEXT(dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.	Prop. Delay (ns) Max.
1	2.0	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
8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	6.0	25.0	59.3	57.3	47.8	44.8	545
16	7.6	25.0	56.2	54.2	43.7	40.7	543
20	8.5	25.0	54.8	52.8	41.8	38.8	542
25	9.5	24.3	53.3	51.3	39.8	36.8	541
31.25	10.7	23.6	51.9	49.9	37.9	34.9	540
62.5	15.4	21.5	47.4	45.4	31.9	28.9	539
100	19.8	20.1	44.3	42.3	27.8	24.8	538
200	29.0	18.0	39.8	37.8	21.8	18.8	537
250	32.8	17.3	38.3	36.3	19.8	16.8	536

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 (01)	 Blue (02)
 Red (03)	 White (04)
 Violet (05)	 Orange (06)
 Yellow (07)	 PE-Black (08)

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
22127-C1C2P1P2	Cat6 U/UTP-LSZH-23AWG	CPR-Eca	✓	on demand	on demand
21127-C1C2P1P2	Cat6 U/UTP-PVC-23AWG	CPR-Eca	✓	✓	✓
23126-C1C2P1P2	Cat6 U/UTP-PE-23AWG	CPR-Fca	on demand	on demand	on demand

Note: Higher CPR Category will be made available on demand

01/042023



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