

estelan

Cat 5e U/UTP Cable

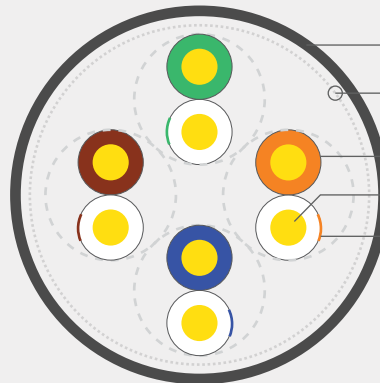


Application:

- Horizontal Cabling, Backbone Cabling, Digital & Analog Audio & Video signal transfer
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
- IEEE 802.5 16 MB; ISDN; TPDDI; ATM
- Power over Ethernet (PoE) / Type 1-2

Standards:

- ANSI / TIA-568.2-D
- ISO / IEC 11801
- IEC 61156-5
- EN 50173; EN 50288-3-1
- IEEE 802.3af / at



- Sheath
- Rip Cord
- Colored Insulation
- Copper Conductor
- Colored Stripe Insulation

Flame Resistance:

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

Construction:

Conductor	Bare copper wire Ø 24 AWG
Insulation	Polyolefin
Twisting	2 insulated conductors forming one pair
Cable Lay-up	4 twisted pairs
Sheath	LSZH / PVC / PE
Nominal Cable Diameter	5.0 mm

Mechanical Properties:

Bending Radius : < 4 X Cable Dia. (mm) at -20°C ± 1°C
 Pulling Force : 100 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/100M) 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

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 I packing of 305m(1000 ft) (02)
 (P1 P2) Length Tolerance: +/- 2 meter

Product Code / Part No:

Part No	Product Name	Euro Class	ETL Verified	UL Listed	UL Verified
12137-C1C2P1P2	Cat5e U/UTP-LSZH	CPR-Eca	on demand	on demand	on demand
11137-C1C2P1P2	Cat5e U/UTP-PVC	CPR-Eca	✓	✓	✓
13136-C1C2P1P2	Cat5e U/UTP-PE	CPR-Fca	on demand	on demand	on demand

Note: Higher CPR Category will be made available on demand

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