

estelan

Cat6 U/UTP PE Cable



Application:

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250MHz. This cable well exceeds the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801.

Standards:

- Compatible with all common systems according to ANSI/TIA-568-C.2
- ISO/IEC 11801

Construction:

| | |
|----------------|---|
| Conductor | 23 AWG Solid bare Copper |
| Insulation | High Density Polyethylene Solid |
| Pairs | 2 Insulated conductors twisted together |
| Sheath | PE Black - UV Stabilized |
| Cable Diameter | 6.2 ± 0.1 mm |

Mechanical Properties:

Bending Radius: < 4 X Cable Diameter at -20°C ± 1°C
 Pulling Force: 11.5Kg

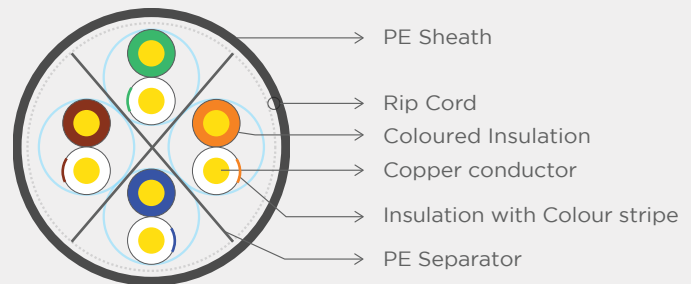
Temperature Range

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

Electrical Properties:

Conductor Resistance : ≤ 9.38Ω/100m
 Mutual Capacitance : < 5.6nF/100m
 Resistance Unbalance : 5% Max

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



PE Sheath

Rip Cord

Coloured Insulation

Copper conductor

Insulation with Colour stripe

PE Separator

Transmission Characteristics-90 M PERMANENT LINK

| Frequency (MHz) | IL (dB) Max. | RL (dB) Min. | NEXT (dB) Min. | PS NEXT (dB) Min. | ACR-F (dB) Min. | PS ACR-F (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 | PAIR NO | COLOR |
| 1-2 | White-Orange Stripe & Orange | 4-5 | White-Blue Stripe & Blue |
| 3-6 | White-Green Stripe & Green | 7-8 | White-Brown Stripe & Brown |

Jacket Color (C₁, C₂)

 PE Black (08)

Packing (P₁ P₂): Available in Reel in box of 305 m (1000ft)(04)
OR As per Customer's Request

Product Code / Part No:

| Part No | Product Name | Euro Class |
|---|---------------------|------------|
| 23126-C ₁ C ₂ P ₁ P ₂ | Cat6 U/UTP-PE-23AWG | CPR-Fca |

Refer to Jacket Color and Packaging details for C₁C₂ and P₁P₂ respectively.



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