

VER LET M KABLolarI  
(DATA TRANSMISSION CABLES)

## CAT 5e UTP / CAT 5e S-UTP / CAT 5e CS-UTP

Sip.Kodu  
Order Code:Sip.Kodu  
Order Code:Sip.Kodu  
Order Code:**Kablo yapısı**

**İletken**, 0,51 mm çaplı tek tel iletken Polyolefin malzeme ile a a da görüldü ü gibi izole edilir ve çift haline getirilir.

- 1.Çift = Mavi/Beyaz - Mavi izli,
- 2.Çift = Turuncu/Beyaz -Turuncu izli,
- 3.Çift = Ye il/Beyaz -Ye il izli,
- 4.Çift = Kahve/Beyaz - Kahve izli.

**Dı Kılıf**, Olu an 4 adet çift birarada bükülerek RAL 7001 Gri renkte PVC malzeme ile dı kılıf kaplanır ve CAT 5e UTP ...olarak adlandırılır.

CAT 5e S-UTP kabloda 4 adet çift birarada bükülerek olu turulan kablo özü üzerine Polyester band sarılır. Kalaylı Mono telden olu an toprak teli kablo boyunca konularak AL-PES folyo ile sarılır. PVC dı kılıf uygulanır.

CAT 5e CS-UTP kabloda ise CAT 5e S-UTP kablo özü %70 kapamaya sahip kalaylı bakır tel örgü ile 2. kez ekranlanır ve RAL 7001 Gri PVC ile dı kılıf olu turulur.

**Kullanım alanı**

ISO Class D standardına göre test etti imiz CAT5e kablolar 155 Mhz frekansa kadar çalı an bilgi ileti im sistemlerinde kullanılır. Terminal yo unlu u fazla olan ofisler, yönetim ve ara tırma geli tirme binalarındaki kablolamalarda özellikle tercih edilir.

**Cable Structure**

**Conductor**, A single wire conductor of dia. 0,51 mm insulated here as bellow with Polyolefin material and becomes a pair.

- 1.Pair = Blue/White - with stripe of blue,
- 2.Pair = Orange/White - with stripe of orange,
- 3.Pair = Green/White - with stripe of green,
- 4.Pair = Brown/White - with stripe of brown.

Four becoming pairs are bunched together with the outer sheath coated in RAL 7001 grey coloured PVC material are called as CAT5e UTP...

In the CAT5e S-UTP cable, a polyester tape is wrapped over the cable core made of 4 pieces of pairs that are bunched together. The drain wire made of a tinned mono wires is placed along the cable and wrapped with AL-PES foil then the PVC sheath is applied. As in the case of the CAT 5e CS-UTP cable, the cable core of CAT 5e S-UTP is double screened with copper wire braiding of 70% coverage and the outer sheath is made with RAL 7001 grey coloured PVC.

**Application**

The CAT 5e cables tested according to the ISO Class D standards are used in data communication systems that work up to 155 Mhz frequencies. They are particularly preferred in such office places and research and development buildings where a large number of PC terminals are found.

**Elektriksel Özellikler**

Karakterisitik Empedans	100 ± 15Ω
Kapasitans	max. 56 pF/m.
İletken Direnci	Max. 93,8 Ω /Km.
Çalı ma Gerilimi	250 V.
Test Gerilimi	1200 V.
zolasyon Direnci	> 100 M Ω Km.
Çalı ma Sıcaklı ı	-30 °C... + 70 °C
Min. Bükme Yarıçapı	5 x Kablo Çapı

**Zayıflamalar Max.**

1 Mhz.....	2.0 dB/100.m.
4 Mhz.....	4.1 dB/100.m.
10 Mhz.....	6.5 dB/100.m.
16 Mhz.....	8.2 dB/100.m.
20 Mhz.....	9.2 dB/100.m.
31,25 Mhz.....	11.7 dB/100.m.
62,50 Mhz.....	17.0 dB/100.m.
100 Mhz.....	22.0 dB/100.m.

**Electrical Characteristic**

Ω 100 ± 15	Characteristic Impedance
max. 56 pF/m.	Capatidance
Max. 93,8 Ω /Km.	Conductor Resistance
250 V.	Operating Voltage
1200 V.	Test Voltage
> 100 M Ω Km.	nsulation Resistance
-30 °C... + 70 °C	Temperature Range
5 x Kablo Çapı	Min. Bending Radus

**Attenuations**

2.0 dB/100.m.	1 Mhz.....
4.1 dB/100.m.	4 Mhz.....
6.5 dB/100.m.	10 Mhz.....
8.2 dB/100.m.	16 Mhz.....
9.2 dB/100.m.	20 Mhz.....
11.7 dB/100.m.	31,25 Mhz.....
17.0 dB/100.m.	62,50 Mhz.....
22.0 dB/100.m.	100 Mhz.....