

**CAT-5e FTP****4 X 2 X 24 AWG****VERİ İLETİŞİM KABLOLARI DATA TRANSMISSION CABLES****UYGULAMA ALANLARI**

Bu kablolar bilgi iletişim sistemlerinde 155 Mbit/Sn hızına kadar analog ve dijital sinyal iletiminde kullanılır.

**KABLO YAPISI**

<b>İletken</b>	: Elektrolitik bakır iletken 24 AWG
<b>İzolasyon</b>	: Solid PE izolasyon
<b>Ekran</b>	: AL-PES bant ekran (%100 kapama)
<b>Yalıtkan Renk</b>	: Polietilen (EN 50290-2, VDE 0207)
<b>Büküm</b>	: İki damar birlikte bükülerek çiftleri, çiftler bir arada bükülerek kablo özü oluşturulur.
<b>Dış Kılıf</b>	: Ø 5.50 mm PVC gri
<b>Kablo Dış Çapı</b>	: Ø 5.50 mm.
<b>Kablo Ağ. (kg/km)</b>	: 38 kg./km.

**TEKNİK ÖZELLİKLER**

<b>İletken Direnci</b>	: (20 C Max.) 94.0 ohm/km
<b>Direnç Dengesizliği</b>	: Max %5
<b>Çalışma Voltajı</b>	: 250 V.
<b>Test Voltajı</b>	: 1200 V.
<b>İzolasyon Direnci</b>	: (20 C Min) 5000 Mohm/km
<b>Kapasite</b>	: 56.0 nF/km
<b>Kapasite Dengesizliği</b>	: 330 pF/100 mt.(Max.)
<b>Empedans</b>	: 100±15 ohm
<b>Yayımlama Hızı</b>	: %67
<b>Çalışma Sıcaklığı</b>	: -20 C + 60 C
<b>Bükülme Yarı Çapı</b>	: 8 x kablo dış çapı
<b>Alev Testi</b>	: TS EN 50265

**APPLICATION**

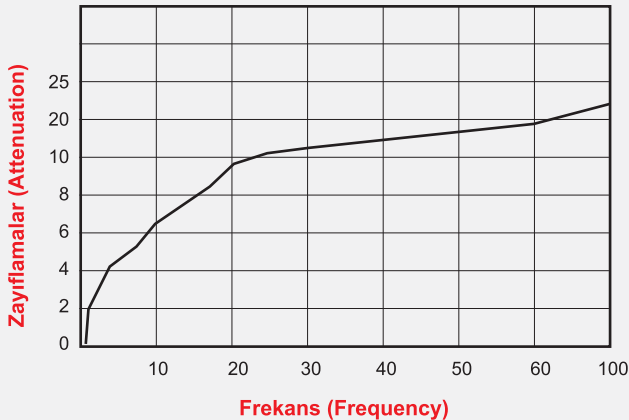
It is used in data communication networks in transmission of analog and digital signals up to 155 Mbit/sec.

**CONSTRUCTION**

<b>Conductor</b>	: Electrolytic copper conductor 24 AWG
<b>Insulator</b>	: Solid polyethylene insulation
<b>Screen</b>	: Al-pes tape shielded (%100 coverage)
<b>Colour Code</b>	: PE (EN 50290-2, VDE 0207))
<b>Stranding</b>	: Cores twisted in pairs, pairs stranded together.
<b>Sheath</b>	: Ø 5.50 mm PVC grey
<b>Outer Diameter</b>	: Ø 5.50 mm.
<b>Weight (kg/km)</b>	: 38 kg./km.

**TECHNICAL SPECIFICATIONS**

<b>Conductor Resistance</b>	: (20 C Max.) 94.0 ohm/km
<b>Resistance Unbalanced</b>	: Max %5
<b>Operating Voltage</b>	: 250 V.
<b>Test Voltage</b>	: 1200 V.
<b>Insulator Resistance</b>	: (20 C Min) 5000 Mohm/km
<b>Capacity</b>	: 56.0 nF/km
<b>Capacity Unbalance</b>	: 330 pF/100 mt.(Max.)
<b>Impedance</b>	: 100±15 ohm
<b>Velocity Ratio</b>	: %67
<b>Temperature</b>	: -20 C + 60 C
<b>Bending Radius</b>	: 8 x outer diameter
<b>Flame Test</b>	: TS EN 50265

**Zayıflamalar (20 C) / Attenuation :**

1 MHz	2.0	dB / 100 mt
4 MHz	4.1	dB / 100 mt
8 MHz	5.8	dB / 100 mt
10 MHz	6.5	dB / 100 mt
16 MHz	8.2	dB / 100 mt
20 MHz	9.3	dB / 100 mt
25 MHz	10.4	dB / 100 mt
30 MHz	11.7	dB / 100 mt
60 MHz	17.0	dB / 100 mt
100 MHz	22.0	dB / 100 mt