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ELTEKS, katalogda bulunan Data/LAN kablolarını TIA/EIA 568-IEC 61156, ISO/IEC 11801 ve TS IEC 61156-5:2014 standartlarına göre üretmektedir.

Kataloğumuzda bulamadığınız farklı standartlardaki ürün talepleriniz için lütfen uzman teknik personelimizle irtibata geçiniz.

4

Data-LAN Kabloları

Data-LAN Cables

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ELTEKS Data/LAN cables are produced based on TIA/EIA 568-IEC 61156, ISO/IEC 11801, SP 2840 and TS IEC 61156-5:2014 standards. For types of cable that you can not find in our catalogue, please contact our technical staff.

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TELTEKS KABLO CATEGORY 3 UTP



KABLO TİPİ : CATEGORY 3 UTP (Bina İçi) (4x2x24 AWG – 25x2x24 AWG – 50x2x24 AWG – 100x2x24 AWG)

ŞARTNAME : ANSI/TIA/EIA-568-B.2'ye göre Category 3, TS IEC 61156-5:2014

KULLANIM YERİ : Bu kablolar bina içi bilgi iletişim sistemlerinde 10 Mbit/sn-16 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.

YAPI :

- Ø 0,51 mm elektrolitik bakır iletken
- PE yalıtkan
- Çiftler halinde bükülü damarlar
- Çiftler bir arada bükülerek kablo özü oluşturulur
- Nem içermeyen ve dielektrik özelliği olan Polyester film
- Gri renkli PVC dış kılıf.(RAL 7032)
- Kablo çapı: 4x2:5.1 mm, 25x2:11.3 mm, 50x2:14.4 mm, 100x2:21.5 mm
- Kablo ağırlığı: 4x2:32.0 kg/km, 25x2:182 kg/km, 50x2:324 kg/km, 100x2: 633 kg/km
- Standart ambalaj: 100 m kangal, 500 m-1000 m makara

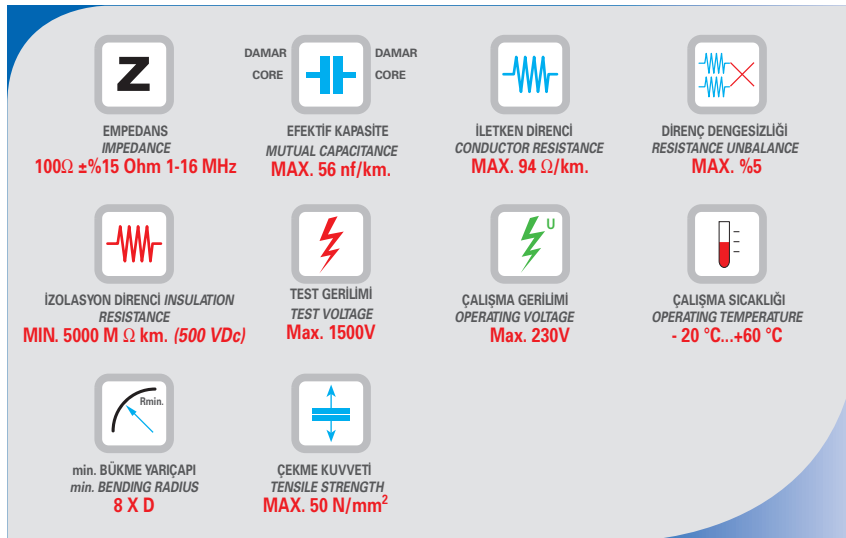
CABLE TYPE : CATEGORY 3 UTP (Indoor) (4x2x24 AWG – 25x2x24 AWG – 50x2x24 AWG – 100x2x24 AWG)

SPECIFICATION : According to ANSI/TIA/EIA-568-B.2, Category 3, TS IEC 61156-5:2014

APPLICATION : Used in indoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 10 Mbit/sec-16 Mbit/sec

CONSTRUCTION :

- Ø 0.51 mm electrolytic copper conductor
- PE insulation
- Cores twisted in pairs
- Pairs stranded together
- Polyester tape that does not contain moisture and have dielectric property
- Grey PVC outer sheath (RAL-7032)
- Overall diameter:4x2:5.1mm,25x2:11.3 mm,50x2:14.4 mm, 100x2:21.5 mm
- Cable weight: 4x2:32.0 kg/km, 25x2:182 kg/km, 50x2:324 kg/km, 100x2:633 kg/km
- Standard packing; 100 m coil, 500 m-1000 m drums



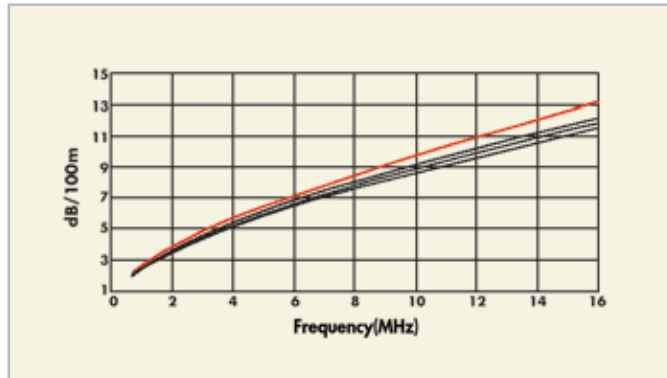
TELTEKS KABLO CATEGORY 3 UTP



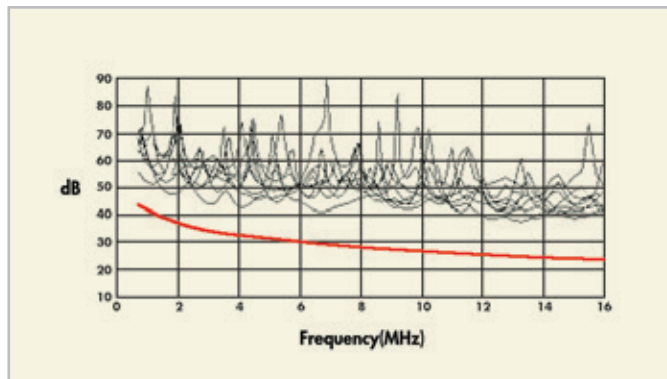
Elektriksel Özellikler / Electrical Properties

Frekans Frequency (MHz)	Ekleme Kaybı Insertion Loss Max. (dB/100 m)	Power Sum NEXT PS NEXT Min. (dB)	Geri Dönüş Kaybı Return Loss (SRL) Min. (dB)
0,772	2,2	43,0	12,0
1,0	2,6	41,3	12,0
4,0	5,6	32,3	12,0
8,0	8,5	27,8	12,0
10,0	9,7	26,3	12,0
16,0	13,1	23,3	10,0

Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



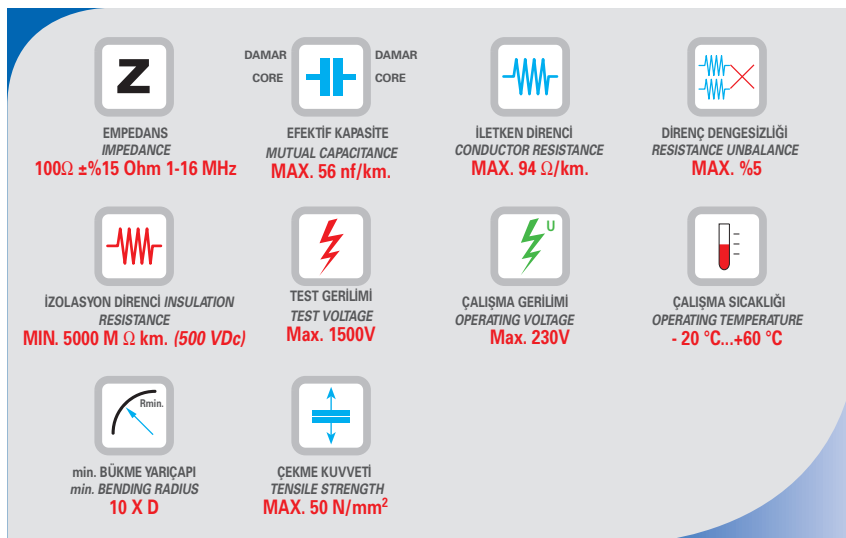


KABLO TİPİ : CATEGORY 3 UTP (Bina Dışı) (4x2x24 AWG – 25x2x24 AWG – 100x2x24 AWG – 200x2x24 AWG)

- ŞARTNAME :** ANSI/TIA/EIA-568-B.2'ye göre Category 3, TS IEC 61156-5:2014
- KULLANIM YERİ :** Bu kablolar bina dışı bilgi iletişim sistemlerinde 10 Mbit/sn - 16 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI :**
- Ø 0,51 mm elektrolitik bakır iletken
 - PE yalıtkan
 - Çiftler halinde bükülü damarlar Çiftler bir arada bükülerek kablo özü oluşturulur
 - Jelly dolgulu öz
 - Nem içermeyen ve dielektrik özelliği olan Polyester film
 - PVC iç kılıf
 - 200 mikron alüminyum folyo
 - Siyah renkli PE dış kılıf.(RAL 7302)
 - Kablo çapı: 4x2:6.6 mm, 25x2:12.9 mm, 100x2:22.7 mm, 200x2:30.4 mm
 - Kablo ağırlığı: 4x2:43.0 kg/km, 25x2:202 kg/km, 100x2:835 kg/km, 200x2:1165 kg/km
 - Standart ambalaj: 100 mt kangal, 500 mt-1000 mt makara

CABLE TYPE : CATEGORY 3 UTP (Outdoor) (4x2x24 AWG – 25x2x24 AWG – 100x2x24 AWG – 200x2x24 AWG)

- SPECIFICATION :** According to ANSI/TIA/EIA-568-B.2, Category 3, TS IEC 61156-5:2014
- APPLICATION :** Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 10 Mbit/sec. - 16 Mbit/sec.
- CONSTRUCTION :**
- PE insulation
 - Cores twisted in pairs
 - Pairs stranded together
 - Fully filled with jelly
 - Polyester tape that does not contain moisture and have dielectric property
 - PVC inner sheath
 - 200 micron Aluminium foil
 - Black PE outer sheath (RAL-7302)
 - Overall diameter: 4x2:6.6 mm, 25x2:12.9 mm, 100x2:22.7 mm, 200x2:30.4 mm
 - Cable weight: 4x2:43.0 kg/km, 25x2:202 kg/km, 100x2:835 kg/km, 200x2:1165 kg/km
 - Standard packing: 100 m coil, 500 m-1000 m drums



CATEGORY 3 UTP (Bina Dışı-Outdoor)

DATA/LAN KABLOLARI

DATA/LAN CABLES

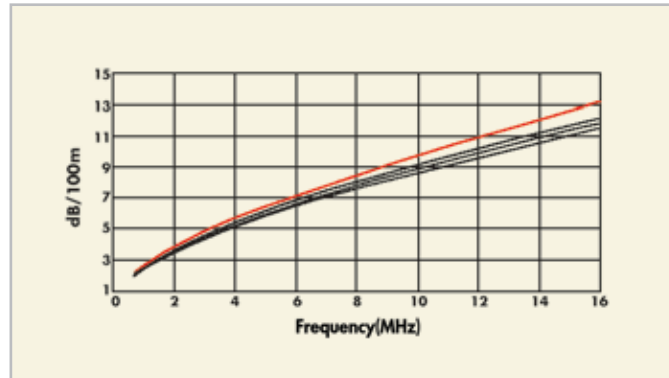
TELTEKS KABLO CATEGORY 3 UTP



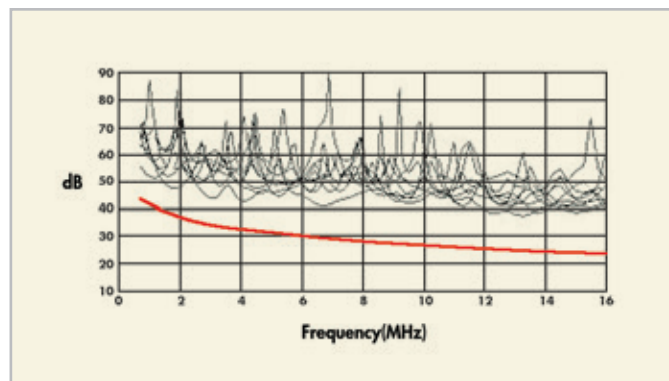
Elektriksel Özellikler / Electrical Properties

Frekans Frequency (MHz)	Ekleme Kaybı Insertion Loss Max. (dB/100 m)	Power Sum NEXT PS NEXT Min. (dB)	Geri Dönüş Kaybı Return Loss (SRL) Min. (dB)
0,772	2,2	43,0	12,0
1,0	2,6	41,3	12,0
4,0	5,6	32,3	12,0
8,0	8,5	27,8	12,0
10,0	9,7	26,3	12,0
16,0	13,1	23,3	10,0

Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



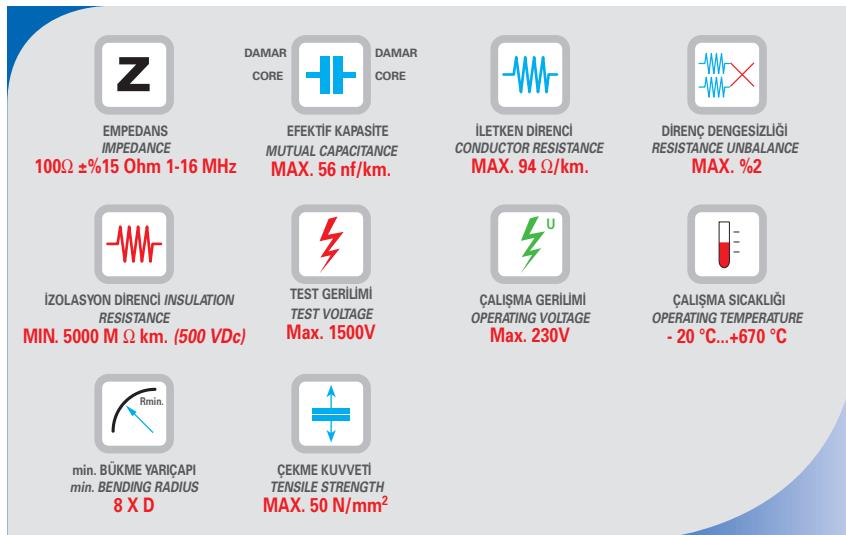
TELTEKS KABLO CATEGORY 5e UTP 4x2x24 AWG

**KABLO TİPİ : CATEGORY 5e UTP 4x2x24 AWG**

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için, TS IEC 61156-5:2014 2.baskı)'e göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 100 Mhz.
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/ sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur.
Gri renkli PVC dış kılıf. (RAL 7032)
Kablo dış çapı: 5.8 mm
Kablo ağırlığı: 36.0 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5e UTP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 5e, According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 100 Mhz.
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Grey PVC outer sheath (RAL 7032)
Overall diameter: 5.8 mm
Cable weight: 36.0 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5e UTP 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

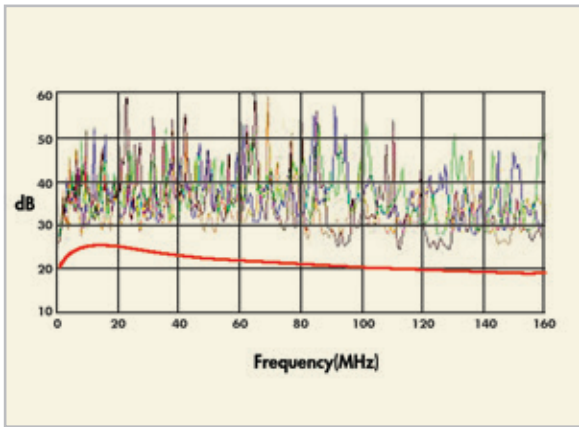
TELTEKS KABLO CATEGORY 5e UTP 4x2x24 AWG



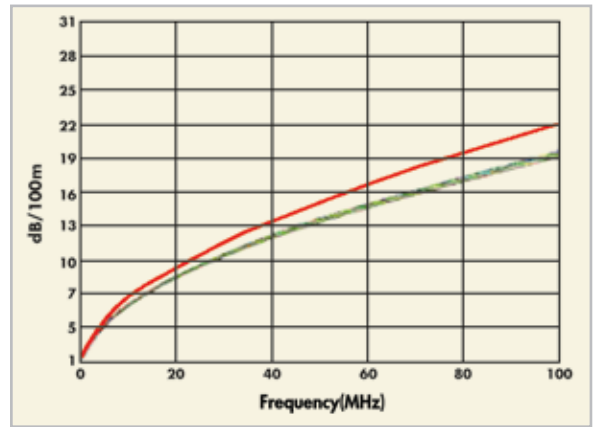
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PS ELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

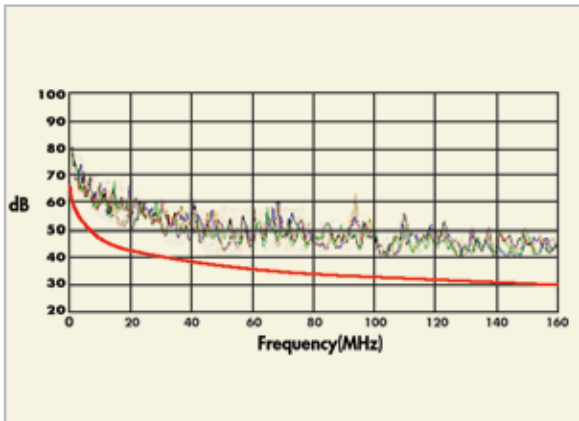
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



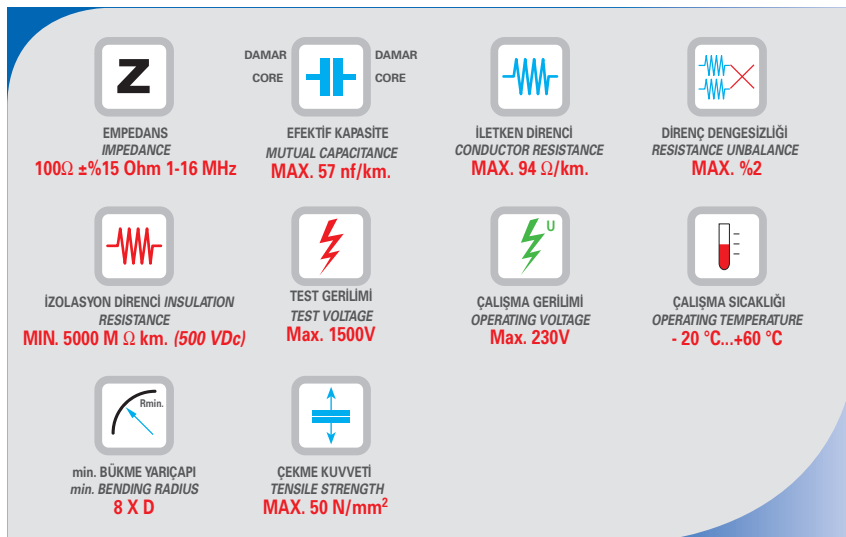
CATEGORY 5e FTP 4x2x24 AWG

**KABLO TİPİ : CATEGORY 5e FTP 4x2x24 AWG**

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için, TS IEC 61156-5:2014)
- KULLANIM YERİ** : 2.baskı'ya göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 100 Mhz.
Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur.
Ø 0,50 mm elektrolitik kalaylı toprak teli
AL-PES folyo ekran
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.0 mm
Kablo ağırlığı: 40.7 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5e FTP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-1180 2nd press), , TS IEC 61156-5:2014
- APPLICATION** : Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 100 Mhz.
Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Ø 0,50 mm electrolytic tinned copper earth wire
AL-PES foil screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 6.0 mm
Cable weight: 40.7 kg/km
Standard Packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5e FTP 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

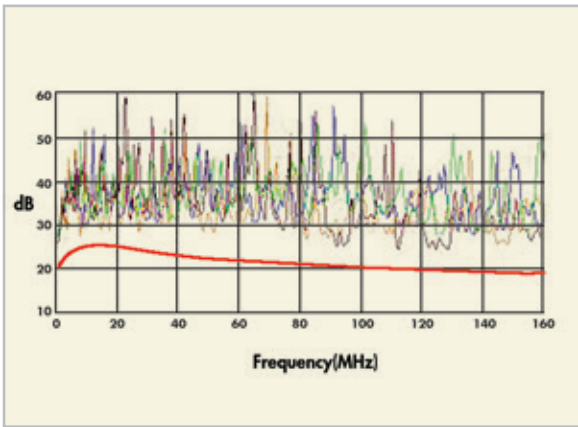
CATEGORY 5e FTP 4x2x24 AWG



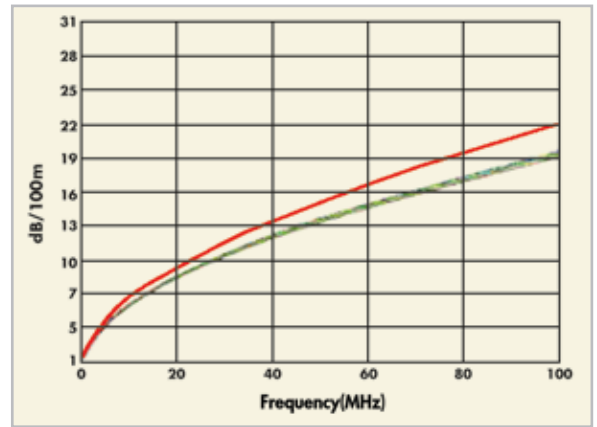
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

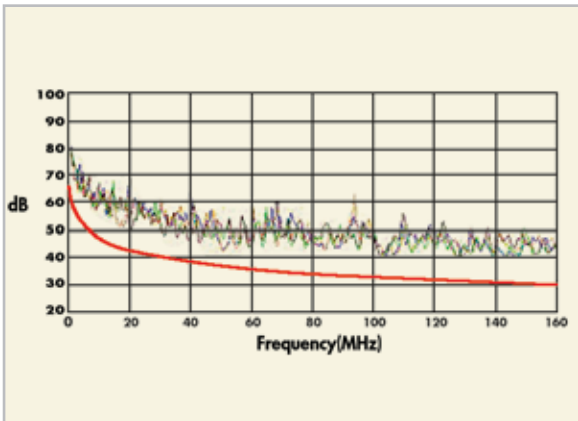
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



KABLO CATEGORY 5e STP 4x2x24 AWG

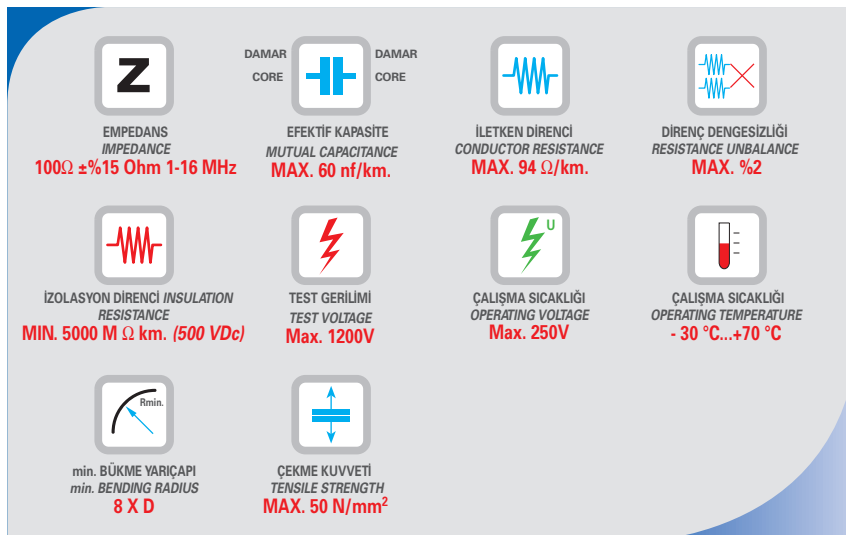


KABLO TİPİ : CATEGORY 5e STP 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 100 Mhz.
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır. Çiftlerin AL-PES ile ekranlanması çiftleri elektromanyetik etkilerden korur.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler ile birlikte Ø 0,50 mm elektrolitik kalaylı toprak teli
Çiftler üzeri AL-PES ile bireysel olarak ekranlanır.
Ekranlı dört çift bir arada bükülerek kablo özü oluşturulur.
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.3 mm
Kablo ağırlığı: 47.9 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5e STP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 100 Mhz.
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec. By AL-PES screen, the pairs are protected against electromagnetic effects.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Ø 0,50 mm electrolytic tinned copper earth wire in pairs
Pairs covered with AL-PES foil screen individually
Four screened pairs stranded together
Grey PVC outer sheath (RAL-7032)
Overall diameter: 6.3 mm
Cable weight: 47.9 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5e STP 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

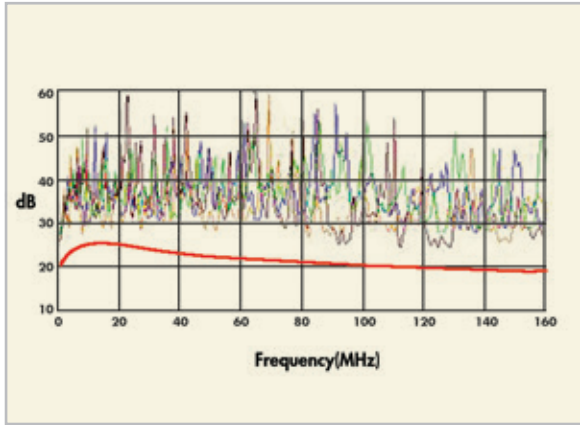
KABLO CATEGORY 5e STP 4x2x24 AWG



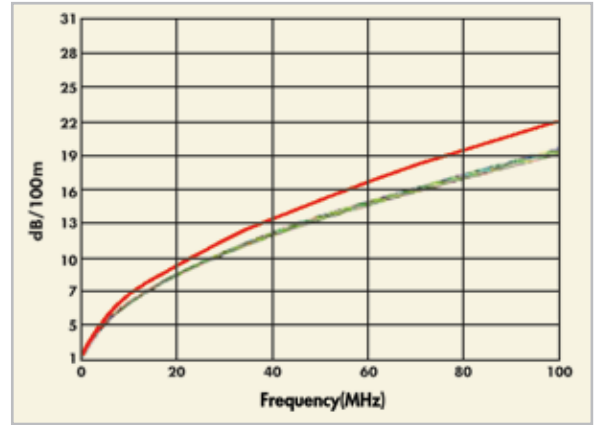
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far- End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

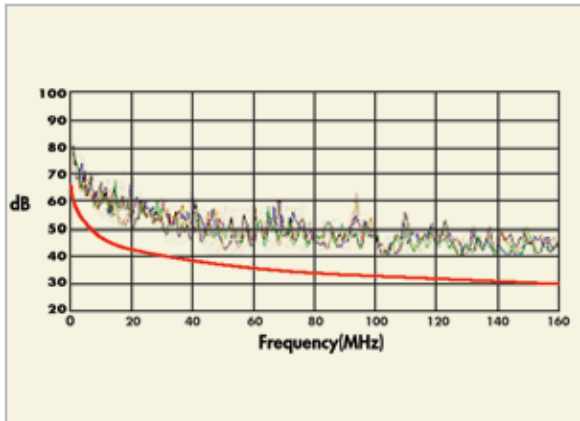
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



CATEGORY 5e S/STP 4x2x24 AWG



KABLO TİPİ : CATEGORY 5e S/STP 4x2x24 AWG

- ŞARTNAME :** ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için, TS IEC 61156-5:2014 2.baskı)'e göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 100 Mhz.
- KULLANIM YERİ :** Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır. Çiftlerin ekranlanması ve kablo özünün kalaylı bakır örgü ile kaplanması kabloyu dışarıdan gelecek elektromanyetik etkilerden korur.
- YAPI :** Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler ile birlikte Ø 0,50 mm elektrolitik kalaylı toprak teli
Çiftler üzeri AL-PES-AL ile bireysel olarak ekranlanır.
Ekranlı dört çift bir arada bükülerek kablo özü oluşturulur.
%85 kapama sağlayacak şekilde kalaylı bakır örgü
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.6 mm
Kablo ağırlığı: 63.0 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5e S/STP 4x2x24 AWG

- SPECIFICATION :** According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 100 Mhz.
- APPLICATION :** Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec. By screen on pairs and the braiding on cable core, the cable is protected against electromagnetic effects.
- CONSTRUCTION :** Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Ø 0,50 mm electrolytic tinned copper earth wire in pairs
Pairs covered with AL-PES-AL foil screen individually
Four screened pairs stranded together
85% braiding of tinned copper wire screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 6.6 mm
Cable weight: 63.0 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum

 EMPEDANS IMPEDANCE 100Ω ±%15 Ohm 1-16 Mhz	 DAMAR CORE EFEKTİF KAPASİTE MUTUAL CAPACITANCE MAX. 60 nf/km.	 İLETKEN DİRENÇİ CONDUCTOR RESISTANCE MAX. 94 Ω/km.	 DİRENÇ DENGESİZLİĞİ RESISTANCE UNBALANCE MAX. %2
 İZOLASYON DİRENÇİ RESISTANCE MIN. 5000 M Ω km. (500 Vdc)	 TEST GERİLİMİ TEST VOLTAGE Max. 1500V	 ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE Max. 230V	 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE - 20 °C...+60 °C
 min. BÜKME YARIÇAPI min. BENDING RADIUS 8 X D	 ÇEKME KUVVETİ TENSILE STRENGTH MAX. 50 N/mm ²		

CATEGORY 5e S/STP 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

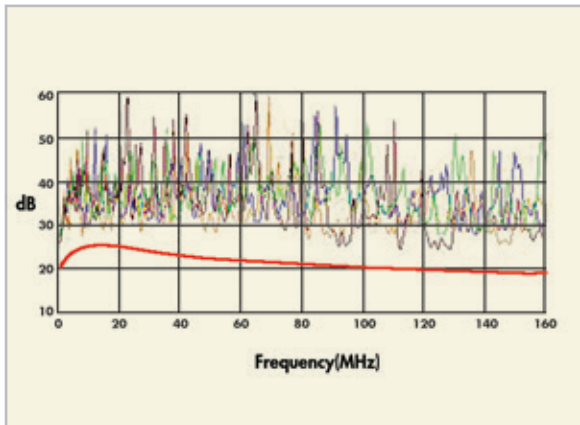
CATEGORY 5e S/STP 4x2x24 AWG



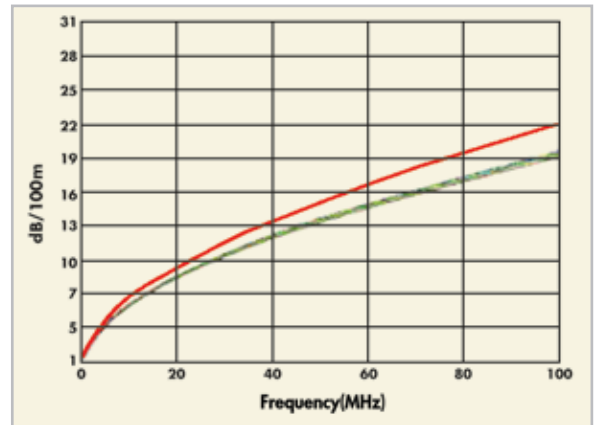
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

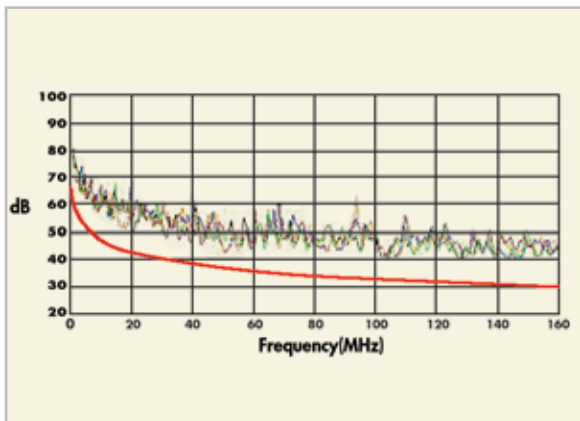
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



KABLO CATEGORY 5e S/FTP 4x2x24 AWG

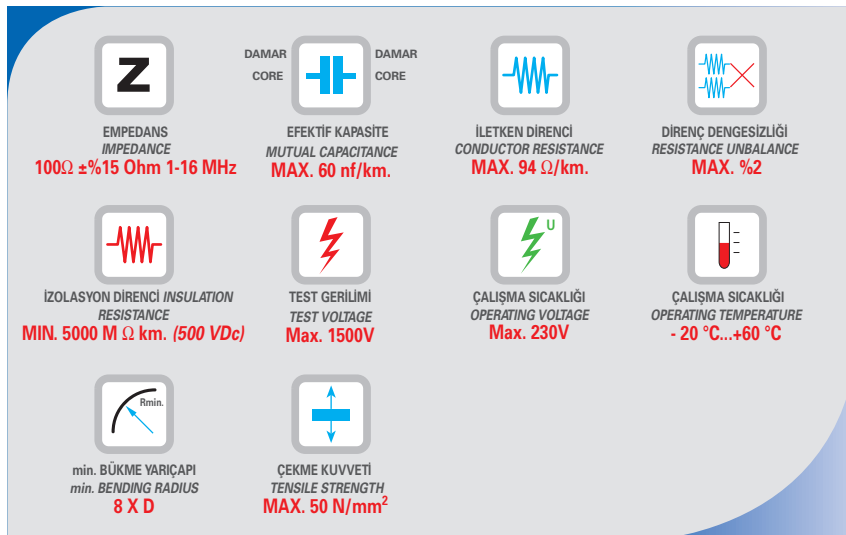


KABLO TİPİ : CATEGORY 5e S/FTP 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e, TS IEC 61156-5:2014 göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 100 Mhz
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır. Kablo özünün AL-PES ile %100 kapanması ve üzerindeki kalaylı bakır örgü kabloyu dışarıdan gelecek elektromanyetik etkilerden korur.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Dört çift bir arada bükülerek kablo özü oluşturulur.
AL-PES folyo ekran
% 85 kapama sağlayacak şekilde kalaylı bakır örgü
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.5 mm
Kablo ağırlığı: 59.1 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5e S/FTP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801, 2nd press), TS IEC 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 100 Mhz
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec. By AL-PES screen and the braiding of tinned copper wire on cable core, the cable is protected against electromagnetic effects.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Four pairs stranded together
AL-PES foil screen
85% braiding of tinned copper wire screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 6.5 mm
Cable weight: 59.1 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5e S/FTP 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

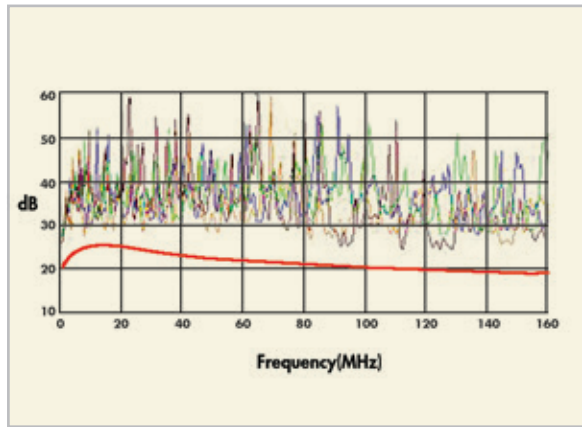
KABLO CATEGORY 5e S/FTP 4x2x24 AWG



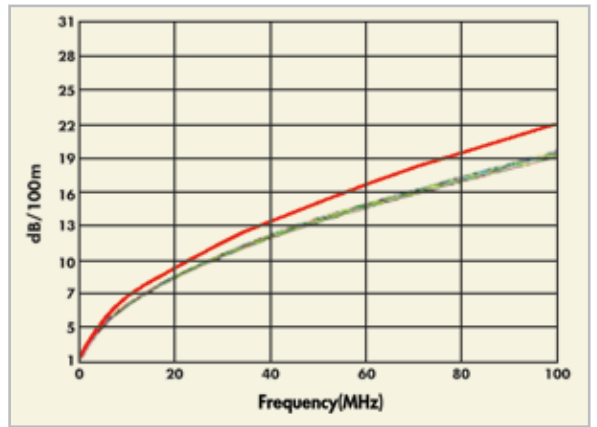
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

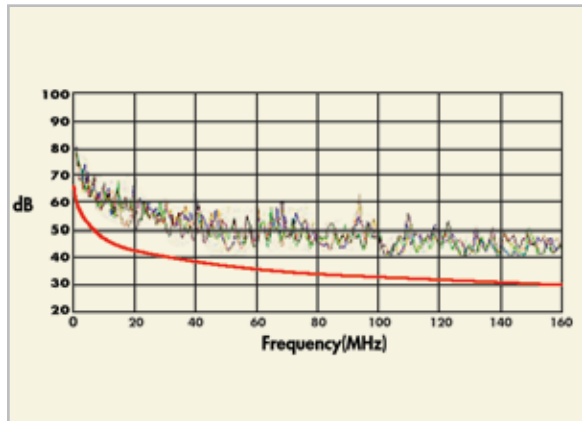
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXt / Power Sum NEXT



TELTEKS KABLOCATEGORY 5e UTP-P 4x2x24 AWG

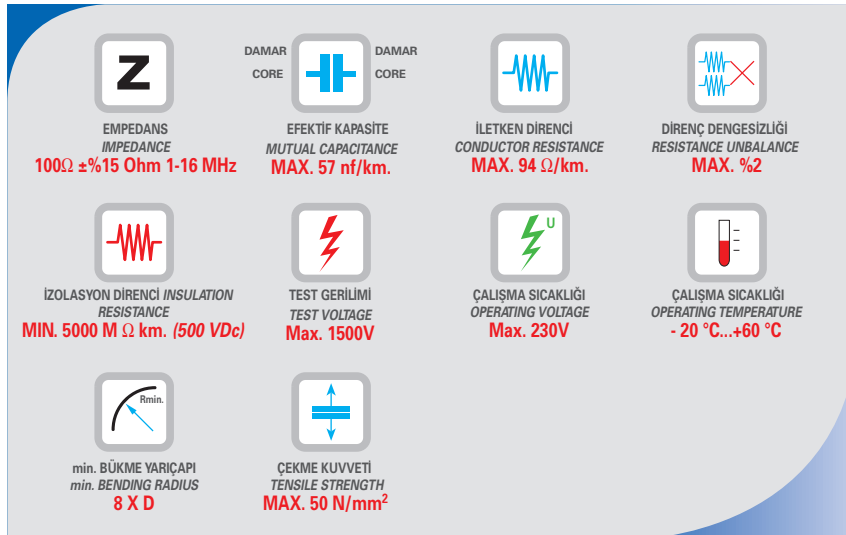


KABLO TİPİ : CATEGORY 5e UTP-P 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e, TS ICE 61156-5:2014 göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 150 Mhz.
- KULLANIM YERİ** : Bu kablolar, bina dışı bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur
Nem içermeyen dielektrik özelliği olan polyester film
Siyah renkli PE dış kılıf.
Kablo dış çapı: 6.6 mm
Kablo ağırlığı: 39.3 kg/km
Standart ambalaj: 1000 ve 2000 m makara

CABLE TYPE : CATEGORY 5e UTP-P 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS ICE 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 150 Mhz.
- APPLICATION** : Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Polyester tape that does not contain moisture and have dielectric property
Black PE outer sheath
Overall diameter: 6.6 mm
Cable weight: 39.3 kg/km
Standard packing: 1000 m and 2000 m drum



CATEGORY 5e UTP-P 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

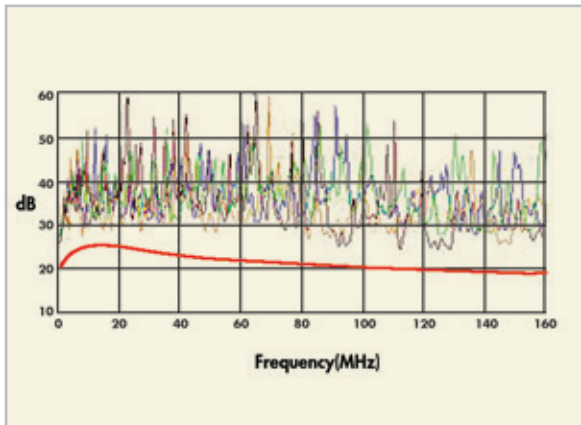
TELTEKS KABLO CATEGORY 5e UTP-P 4x2x24 AWG



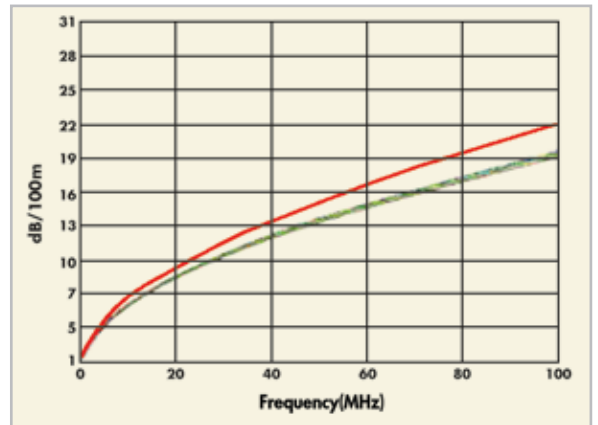
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far- End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

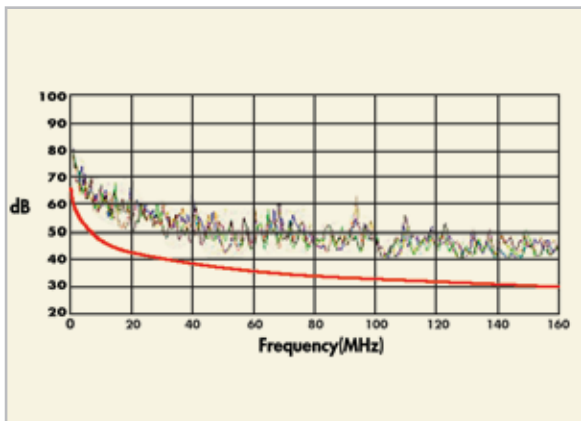
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



TELTEKS KABLO CATEGORY 5e FTP-P 4x2x24 AWG

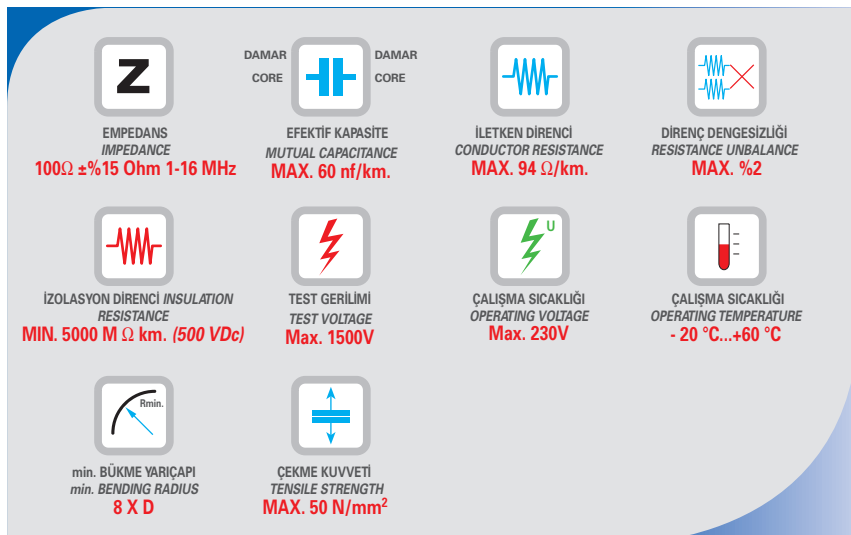


KABLO TİPİ : CATEGORY 5e FTP-P 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 150 Mhz.
- KULLANIM YERİ** : Bu kablolar bina dışı bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur
Nem içermeyen ve dielektrik özelliği olan Polyester film
Ø 0,50 mm elektrolitik kalaylı bakır toprak teli
AL-PES folyo ekran
Siyah renkli PE dış kılıf
Kablo dış çapı: 7.0 mm
Kablo ağırlığı: 44.9 kg/km
Standart ambalaj: 1000 ve 2000 m makara

CABLE TYPE : CATEGORY 5e FTP-P 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 150 Mhz.
- APPLICATION** : Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Polyester tape that does not contain moisture and have dielectric property
Ø 0,50 mm electrolytic tinned copper earth wire
AL-PES foil screen
Black PE outer sheath
Overall diameter: 7.0 mm
Cable weight: 44.9 kg/km
Standard packing: 1000 m and 2000 m drum



CATEGORY 5e FTP-P 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

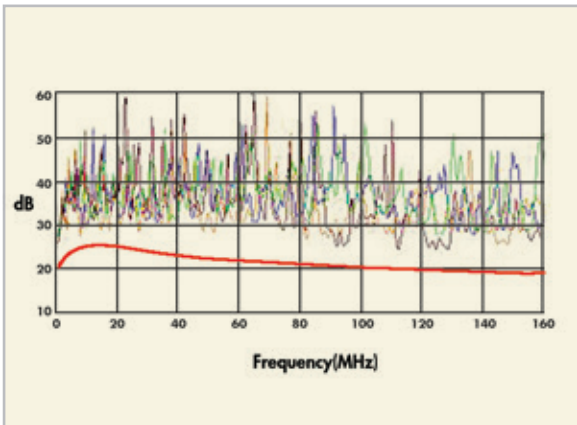
TELTEKS KABLO CATEGORY 5e FTP-P 4x2x24 AWG



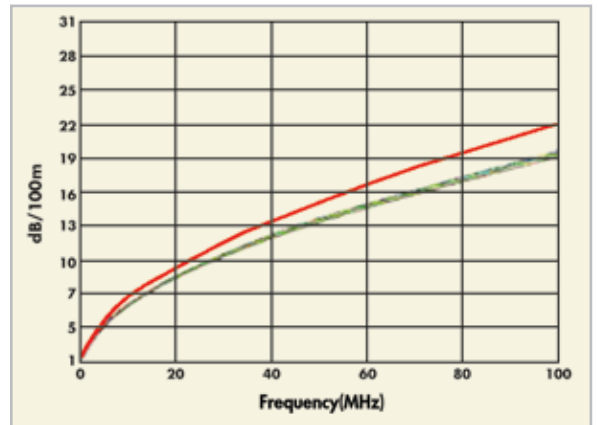
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

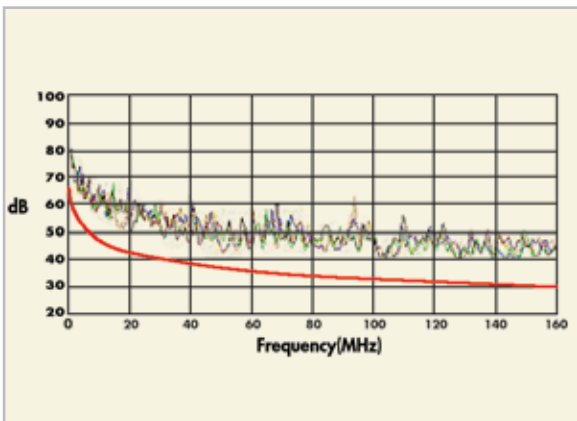
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT





KABLO TİPİ : CATEGORY 5e FTP-P-A 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 150 Mhz
- KULLANIM YERİ** : Bu kablolar bina dışı bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur.
Ø 0,50 mm elektrolitik kalaylı bakır toprak teli
AL-PES folyo ekran
7x0.90 mm galvanizli çelik tel
Siyah renkli PE dış kılıf
Kablo dış çapı: 7.9x15.0 mm
Kablo ağırlığı: 126.7 kg/km
Standart ambalaj:1000 ve 2000 m makara

CABLE TYPE : CATEGORY 5e FTP-P-A 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 150 Mhz.
- APPLICATION** : Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Ø 0,50 mm electrolytic tinned copper earth wire
AL-PES foil screen
7x0.90 mm galvanized steel suspension wire
Black PE outer sheath
Overall diameter: 7.9x15.0 mm
Cable weight: 126.7 kg/km
Standard packing: 1000 m and 2000 m drum

	DAMAR CORE		DAMAR CORE		
EMPEDANS IMPEDANCE		EFEKTİF KAPASİTE MUTUAL CAPACITANCE		İLETKEN DİRENÇİ CONDUCTOR RESISTANCE	DİRENÇ DENGESİZLİĞİ RESISTANCE UNBALANCE
100Ω ±%15 Ohm 1-16 MHz		MAX. 60 nf/km.		MAX. 94 Ω/km.	MAX. %2
İZOLASYON DİRENÇİ RESISTANCE		TEST GERİLİMİ TEST VOLTAGE		ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE	ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE
MIN. 5000 M Ω km. (500 VDC)		Max. 1500V		Max. 230V	- 20 °C...+60 °C
min. BÜKME YARIÇAP min. BENDING RADIUS		ÇEKME KUVVETİ TENSILE STRENGTH			
8 X D		MAX. 50 N/mm ²			

CATEGORY 5e FTP-P-A 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

TELTEKS KABLO CATEGORY 5e FTP-P-A 4x2x24 AWG

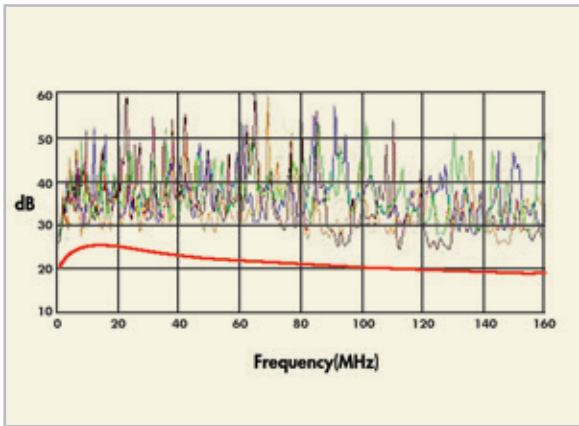
78



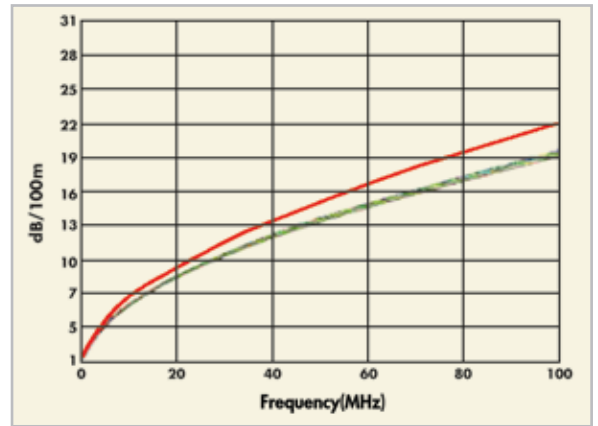
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

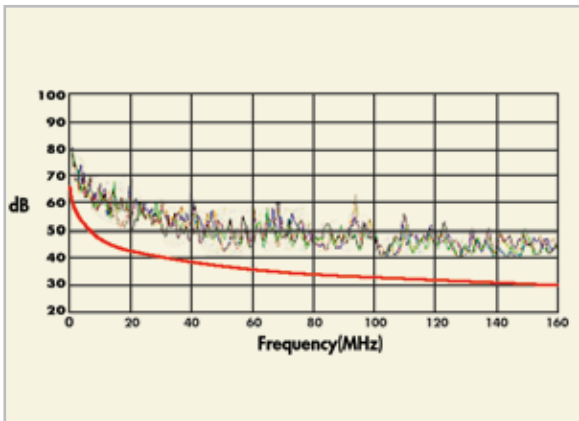
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



TELTEKS KABLO CATEGORY 6 UTP-P 4x2x24 AWG

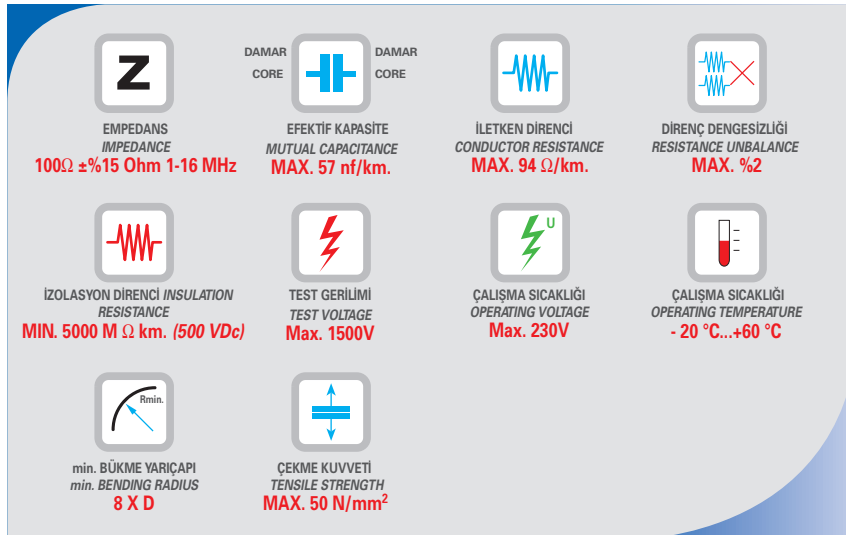


KABLO TİPİ : CATEGORY 6 UTP-P 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e, TS ICE 61156-5:2014 göre Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 150 Mhz.
- KULLANIM YERİ** : Bu kablolar, bina dışı bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler yıldız biçimli ayırıcı ile bükülür
Nem içermeyen dielektrik özelliği olan polyester film
Siyah renkli PE dış kılıf
Kablo dış çapı: 6.6 mm
Kablo ağırlığı: 39.3 kg/km
Standart ambalaj: 1000 ve 2000 m makara

CABLE TYPE : CATEGORY 6 UTP-P 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS ICE 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 150 Mhz.
- APPLICATION** : Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Pairs stranded together
Polyester tape that does not contain moisture and have dielectric property
Black PE outer sheath
Overall diameter: 6.6 mm
Cable weight: 39.3 kg/km
Standard packing: 1000 m and 2000 m drum



CATEGORY 6 UTP-P 4x2x24 AWG

DATA/LAN KABLOLARI

DATA/LAN CABLES

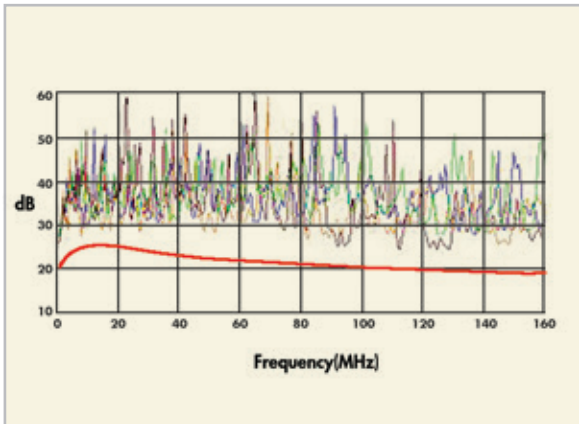
TELTEKS KABLO CATEGORY 6 UTP-P 4x2x24 AWG



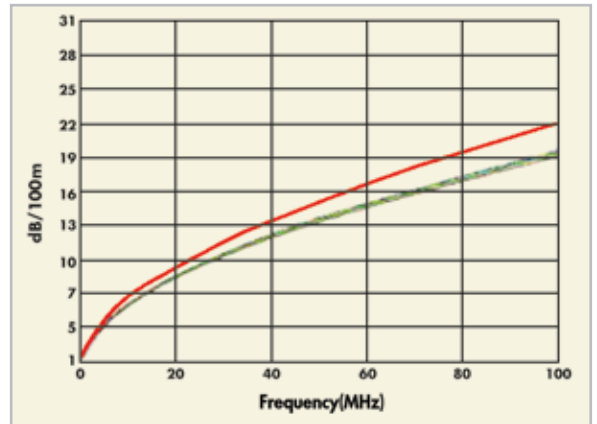
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

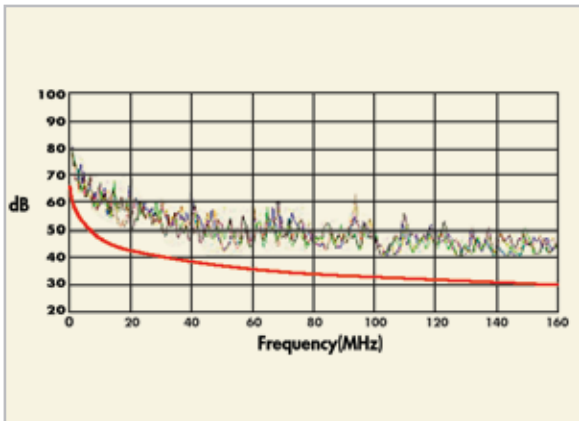
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



TELTEKS KABLO CATEGORY 6 UTP 4x2x23 AWG



KABLO TİPİ : CATEGORY 6 UTP 4x2x23 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2-1 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 6, CENELEC EN 50288-5'e göre 300 Mhz.
- KULLANIM YERİ YAPI** : Bu kablolar bilgi iletişim sistemlerinde 250-300 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- Ø 0,57 mm elektrolitik bakır iletken
 - PE yalıtkan
 - Çiftler halinde bükülü damarlar
 - Çiftler yıldız biçimli ayırıcı ile bükülür.
 - Gri renkli PVC dış kılıf (RAL 7032)
 - Kablo dış çapı: 7.4 mm
 - Kablo ağırlığı: 52.9 kg/km
 - Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 6 UTP 4x2x23 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2-1 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 6. According to CENELEC EN 50288-5, 250 Mhz.
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 250-300 Mbit/sec.
- CONSTRUCTION** : Ø 0.57 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Grey PVC outer sheath (RAL 7032)
Overall diameter: 7.4 mm
Cable weight: 52.9 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum

 EMPEDANS IMPEDANCE 1-100 MHz 100Ω ±%15 Ohm 101-250 MHz 100Ω ±%18 Ohm	 DAMAR CORE EFEKTİF KAPASİTE MUTUAL CAPACITANCE MAX. 56 nf/km.	 İLETKEN DİRENÇİ CONDUCTOR RESISTANCE MAX. 72 Ω/km.	 DİRENÇ DENGESİZLİĞİ RESISTANCE UNBALANCE MAX. %2
 İZOLASYON DİRENÇİ RESISTANCE MIN. 5000 M Ω km. (500 Vdc)	 TEST GERİLİMİ TEST VOLTAGE Max. 700V	 ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE Max. 230V	 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE - 20 °C...+60 °C
 min. BÜKME YARIÇAPİ min. BENDING RADIUS 8 X D	 ÇEKME KUVVETİ TENSILE STRENGTH MAX. 50 N/mm ²		

CATEGORY 6 UTP 4x2x23 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

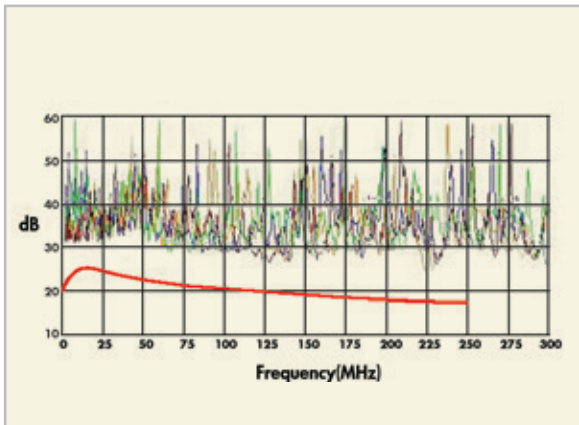
TELTEKS KABLO CATEGORY 6 UTP 4x2x23 AWG



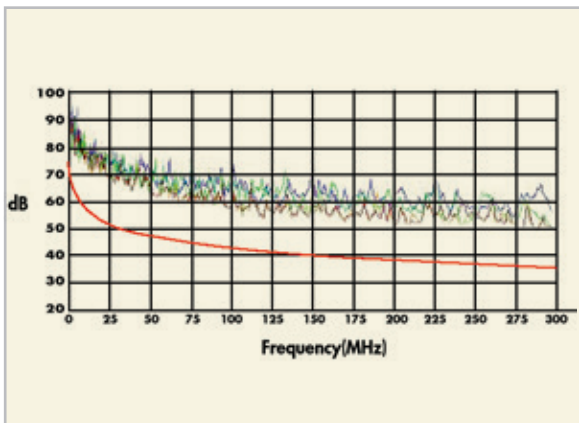
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB 100)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB 100)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	76,0	74,0	70,0	67,0	
1,0	2,0	74,3	72,3	67,8	64,8	20,0
4,0	3,8	65,3	63,3	55,8	52,8	23,0
8,0	5,3	60,8	58,8	49,7	46,7	24,5
10,0	6,0	59,3	57,3	47,8	44,8	25,0
16,0	7,6	56,2	54,2	43,7	40,7	25,0
25,0	9,5	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,4	47,4	45,4	31,9	28,9	21,5
100	19,8	44,3	42,3	27,8	24,8	20,1
200	29,0	39,8	37,8	21,8	18,8	18,0
250	32,8	38,3	36,3	19,8	16,8	17,3

Geri Dönüş Kaybı SRL / Structural Return Loss



PS NEXT / Power Sum NEXT



TELTEKS KABLO CATEGORY 6 UTP 4x2x24 AWG



KABLO TİPİ : CATEGORY 6 UTP 4x2x24 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2-1 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 6, CENELEC EN 50288-5'e göre 300 Mhz.
- KULLANIM YERİ YAPI** : Bu kablolar bilgi iletişim sistemlerinde 250-300 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- Ø 0,51 mm elektrolitik bakır iletken
 - PE yalıtkan
 - Çiftler halinde bükülü damarlar
 - Çiftler yıldız biçimli ayırıcı ile bükülür.
 - Gri renkli PVC dış kılıf (RAL 7032)
 - Kablo dış çapı: 5.9 mm
 - Kablo ağırlığı: 52.9 kg/km
 - Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 6 UTP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2-1 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 6. According to CENELEC EN 50288-5, 250 Mhz.
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 250-300 Mbit/sec.
- CONSTRUCTION** : Ø 0.57 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Grey PVC outer sheath (RAL 7032)
Overall diameter: 5.9mm
Cable weight: 52.9 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum

 EMPEDANS IMPEDANCE 1-100 MHz 100Ω ±%15 Ohm 101-250 MHz 100Ω ±%18 Ohm	 DAMAR CORE EFEKTİF KAPASİTE MUTUAL CAPACITANCE MAX. 52 nf/km.	 İLETKEN DİRENÇİ CONDUCTOR RESISTANCE MAX. 94 Ω/km.	 DİRENÇ DENGESİZLİĞİ RESISTANCE UNBALANCE MAX. %2
 İZOLASYON DİRENÇİ INSULATION RESISTANCE MIN. 5000 M Ω km. (500 Vdc)	 TEST GERİLİMİ TEST VOLTAGE Max. 700V	 ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE Max. 230V	 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE - 20 °C...+60 °C
 min. BÜKME YARIÇAP min. BENDING RADIUS 8 X D	 ÇEKME KUVVETİ TENSILE STRENGTH MAX. 50 N/mm ²		

CATEGORY 6 UTP 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

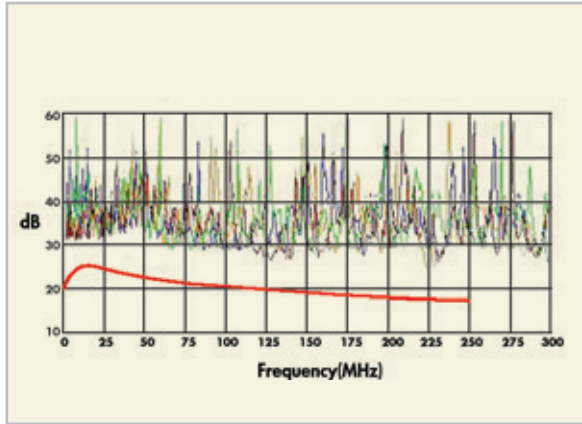
TELTEKS KABLO CATEGORY 6 UTP 4x2x24 AWG



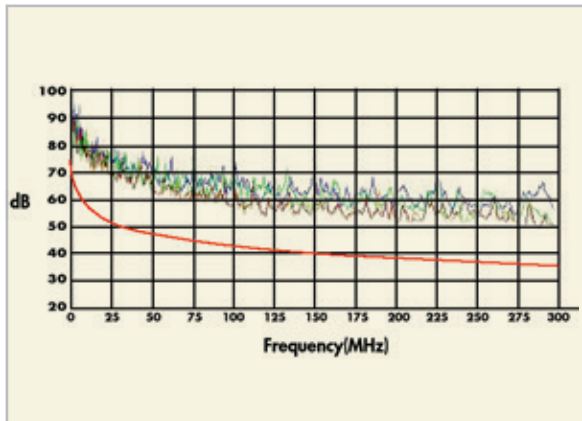
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB 100)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB 100)	Equal Level Far- End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	76,0	74,0	70,0	67,0	
1,0	2,0	74,3	72,3	67,8	64,8	20,0
4,0	3,8	65,3	63,3	55,8	52,8	23,0
8,0	5,3	60,8	58,8	49,7	46,7	24,5
10,0	6,0	59,3	57,3	47,8	44,8	25,0
16,0	7,6	56,2	54,2	43,7	40,7	25,0
25,0	9,5	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,4	47,4	45,4	31,9	28,9	21,5
100	19,8	44,3	42,3	27,8	24,8	20,1
200	29,0	39,8	37,8	21,8	18,8	18,0
250	32,8	38,3	36,3	19,8	16,8	17,3

Geri Dönüş Kaybı SRL / Structural Return Loss



PS NEXT / Power Sum NEXT



TELTEKS KABLO CATEGORY 6 FTP 4x2x23 AWG

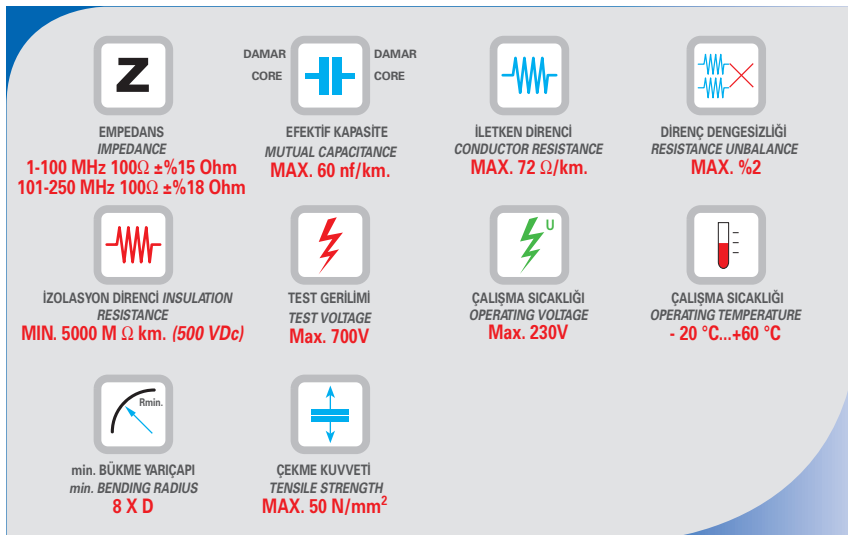


KABLO TİPİ : CATEGORY 6 FTP 4x2x23 AWG

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2-1 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 6, CENELEC EN 50288-5'ye göre 250 Mhz.
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 250-300 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,57 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler yıldız biçimli ayırıcı ile bükülür.
Ø 0,50 mm elektrolitik kalaylı toprak teli
AL-PES folyo ekran
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 7.6 mm
Kablo ağırlığı: 58.7 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 6 FTP 4x2x23 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2-1 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 6. According to CENELEC EN 50288-5, 250 Mhz.
- APPLICATION** : Used in telecommunication networks in transmission of analog and digital signals, has a maximum working transmission speed of 250-300 Mbit/sec.
- CONSTRUCTION** : Ø 0.57 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Ø 0,50 mm electrolytic tinned copper earth wire
AL-PES foil screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 7.6 mm
Cable weight: 58.7 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 6 FTP 4x2x23 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

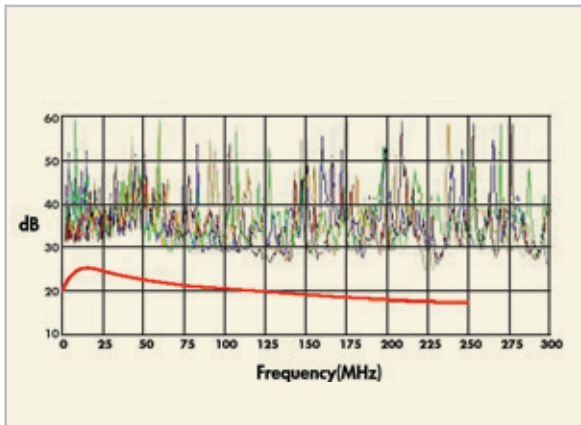
TELTEKS KABLO CATEGORY 6 FTP 4x2x23 AWG



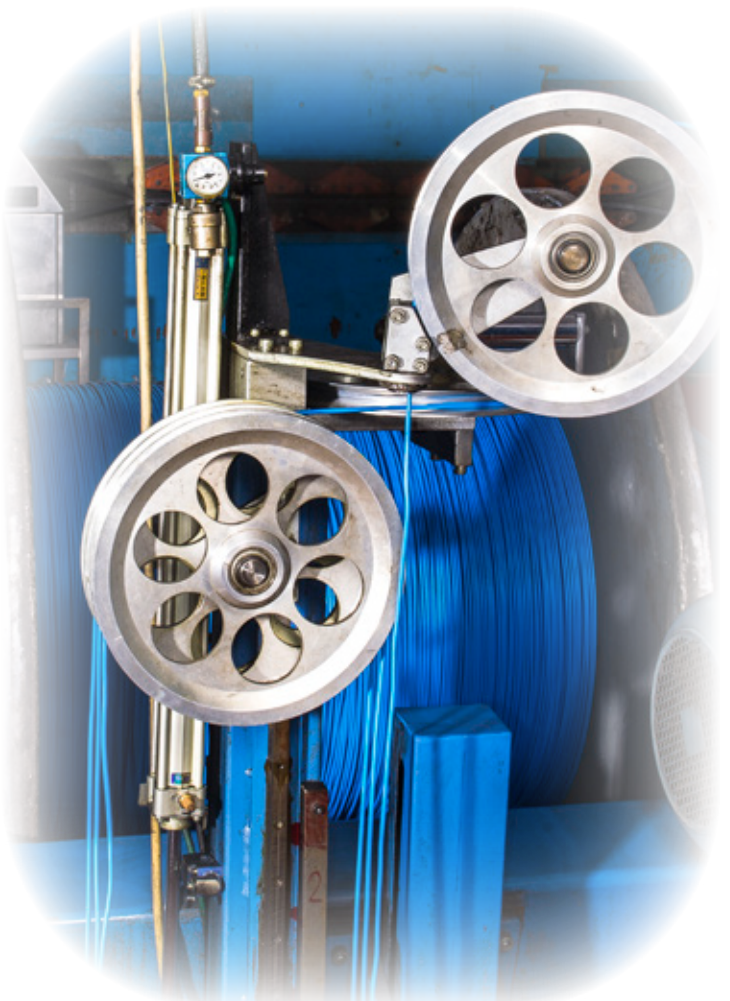
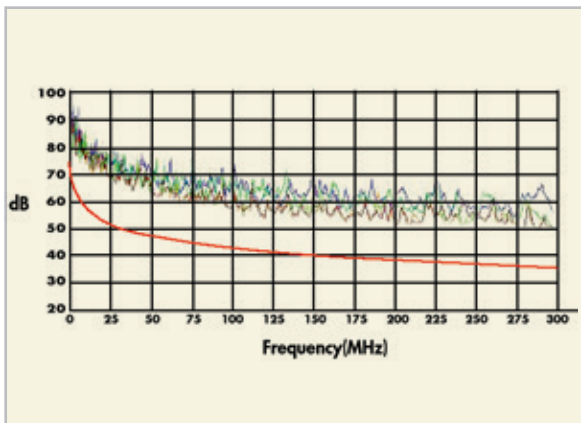
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB 100)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB 100)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	76,0	74,0	70,0	67,0	
1,0	2,0	74,3	72,3	67,8	64,8	20,0
4,0	3,8	65,3	63,3	55,8	52,8	23,0
8,0	5,3	60,8	58,8	49,7	46,7	24,5
10,0	6,0	59,3	57,3	47,8	44,8	25,0
16,0	7,6	56,2	54,2	43,7	40,7	25,0
25,0	9,5	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,4	47,4	45,4	31,9	28,9	21,5
100	19,8	44,3	42,3	27,8	24,8	20,1
200	29,0	39,8	37,8	21,8	18,8	18,0
250	32,8	38,3	36,3	19,8	16,8	17,3

Geri Dönüş Kaybı SRL / Structural Return Loss



PS NEXT / Power Sum NEXT



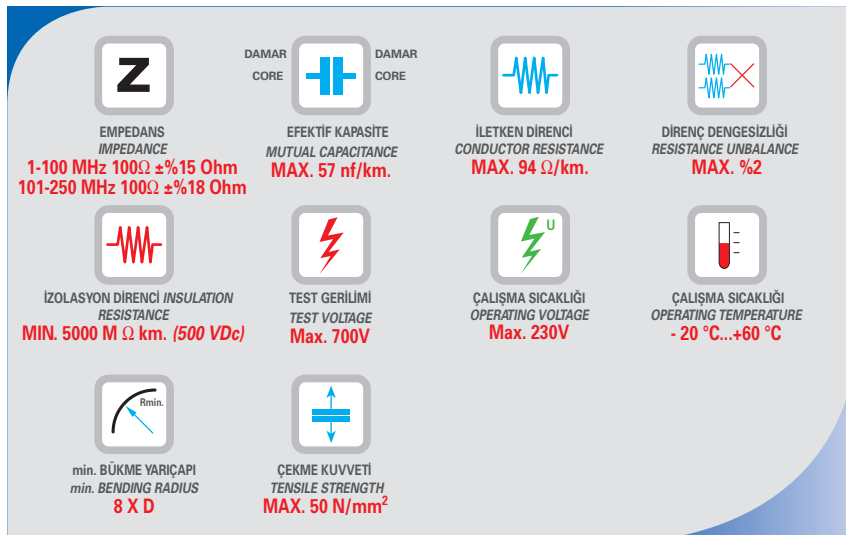
TELTEKS KABLO CATEGORY 6 FTP 4x2x24 AWG

**KABLO TİPİ : CATEGORY 6 FTP 4x2x24 AWG**

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2-1 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 6, CENELEC EN 50288-5'ye göre 250 Mhz.
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 250-300 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler yıldız biçimli ayırıcı ile bükülür.
Ø 0,50 mm elektrolitik kalaylı toprak teli
AL-PES folyo ekran
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.5 mm
Kablo ağırlığı: 58.7 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 6 FTP 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2-1 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 6. According to CENELEC EN 50288-5, 250 Mhz.
- APPLICATION** : Used in telecommunication networks in transmission of analog and digital signals, has a maximum working transmission speed of 250-300 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Ø 0,50 mm electrolytic tinned copper earth wire
AL-PES foil screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 65 mm
Cable weight: 58.7 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 6 FTP-P 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

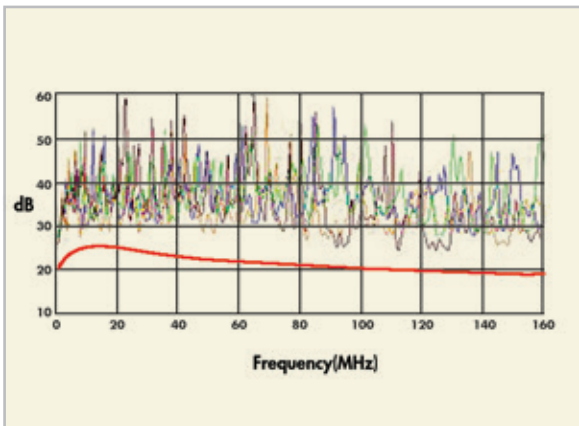
TELTEKS KABLO CATEGORY 6 FTP 4x2x24 AWG



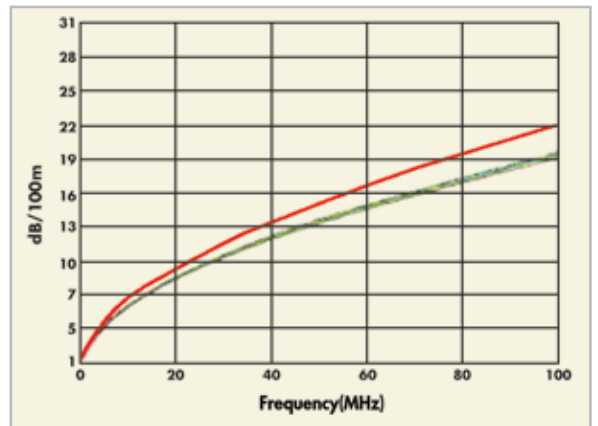
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	70,0	67,0	66,0	63,0	19,4
1,0	2,0	68,3	65,3	63,8	60,8	20,0
4,0	4,0	59,3	56,3	51,7	48,7	23,0
8,0	5,7	54,8	51,8	45,7	42,7	24,5
10,0	6,3	53,3	50,3	43,8	40,8	25,0
16,0	8,0	50,3	47,3	39,7	36,7	25,0
25,0	10,1	47,3	44,3	35,8	32,8	24,3
31,25	11,4	45,9	42,9	33,9	30,9	23,6
62,5	16,5	41,4	38,4	27,8	24,8	21,5
100	21,3	38,3	35,3	23,8	20,8	20,1
200	31,5	33,8	30,8	17,7	14,7	18,0

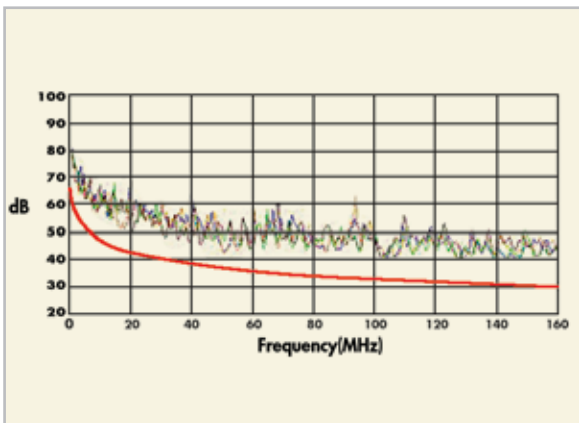
Geri Dönüş Kaybı RL / Return Loss



Ekleme Kaybı / Insertion Loss



PS NEXT / Power Sum NEXT



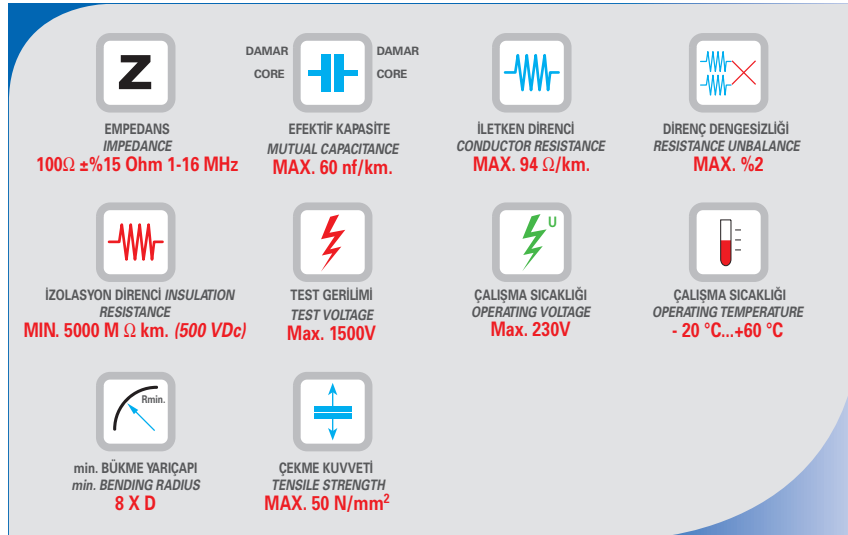
TELTEKS KABLO CATEGORY 6 FTP-P 4x2x24 AWG

**KABLO TİPİ : CATEGORY 6 FTP-P 4x2x24 AWG**

- ŞARTNAME** : ANSI/TIA/EIA-568 B.2 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 5e, CENELEC EN 50288-3 ve ICEA S-90-661:1997'ye göre 150 Mhz.
- KULLANIM YERİ** : Bu kablolar bina dışı bilgi iletişim sistemlerinde 100 Mbit/sn-150 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : Ø 0,51 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler yıldız biçimli ayırıcı ile bükülür.
Ø 0,50 mm elektrolitik kalaylı bakır toprak teli
AL-PES folyo ekran
Siyah renkli PE dış kılıf
Kablo dış çapı: 7.0 mm
Kablo ağırlığı: 44.9 kg/km
Standart ambalaj:1000 ve 2000 m makara

CABLE TYPE : CATEGORY 6 FTP-P 4x2x24 AWG

- SPECIFICATION** : According to ANSI/TIA/EIA-568 B.2 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 5e. According to CENELEC EN 50288-3 and ICEA S-90-661:1997, 150 Mhz.
- APPLICATION** : Used in outdoor data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.-150 Mbit/sec.
- CONSTRUCTION** : Ø 0.51 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together with star shaped separator
Pairs stranded together
Ø 0.50 mm electrolytic tinned copper earth wire
AL-PES foil screen
Black PE outer sheath
Overall diameter: 7.0 mm
Cable weight: 44.9 kg/km
Standard packing: 1000 m and 2000 m drum



CATEGORY 6 FTP 4x2x24 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

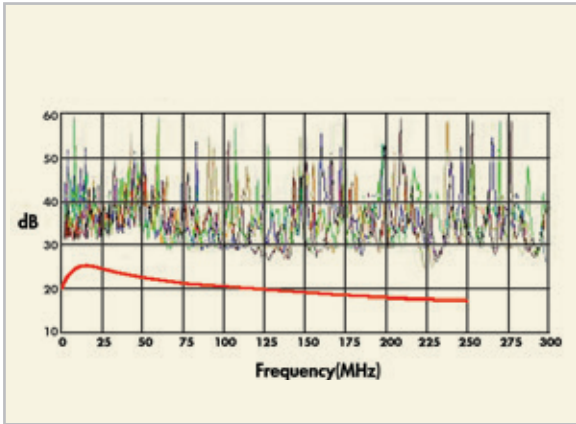
TELTEKS KABLO CATEGORY 6 FTP-P 4x2x24 AWG



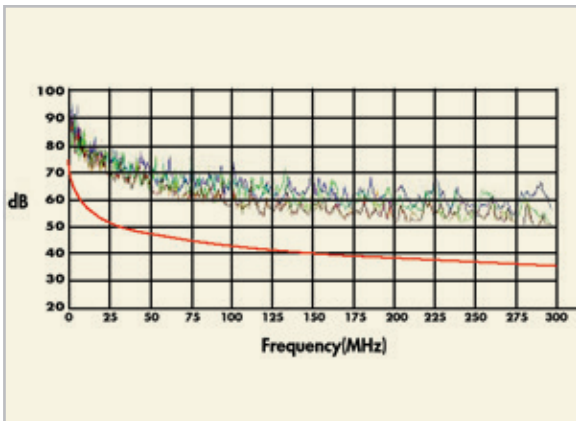
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB 100)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB 100)	Equal Level Far- End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	76,0	74,0	70,0	67,0	
1,0	2,0	74,3	72,3	67,8	64,8	20,0
4,0	3,8	65,3	63,3	55,8	52,8	23,0
8,0	5,3	60,8	58,8	49,7	46,7	24,5
10,0	6,0	59,3	57,3	47,8	44,8	25,0
16,0	7,6	56,2	54,2	43,7	40,7	25,0
25,0	9,5	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,4	47,4	45,4	31,9	28,9	21,5
100	19,8	44,3	42,3	27,8	24,8	20,1
200	29,0	39,8	37,8	21,8	18,8	18,0
250	32,8	38,3	36,3	19,8	16,8	17,3

Geri Dönüş Kaybı SRL / Structural Return Loss



PS NEXT / Power Sum NEXT



CATEGORY 6 S/FTP 4x2x23 AWG



KABLO TİPİ : CATEGORY 6 S/FTP 4x2x23 AWG

ŞARTNAME : ANSI/TIA/EIA-568 B.2-1 ve IEC – 61156-5 (ISO/IEC-11801 için 2.baskı)'e göre, TS IEC 61156-5:2014 Category 6, CENELEC EN 50288-5'e göre 250 Mhz.

KULLANIM YERİ : Bu kablolar bilgi iletişim sistemlerinde 250 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.

YAPI : Ø 0,57 mm elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler yıldız biçimli ayırıcı etrafında bükülür.
AL-PES folyo ekran
% 85 kapama sağlayacak şekilde kalaylı bakır tel örgü
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 8.2 mm
Kablo ağırlığı: 98.3 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 6 S/FTP 4x2x23 AWG

SPECIFICATION : According to ANSI/TIA/EIA-568 B.2-1 and IEC – 61156-5 (for ISO/IEC-11801 2nd press), TS IEC 61156-5:2014 Category 6. According to CENELEC EN 50288-5, 250 Mhz.

APPLICATION : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 250 Mbit/sec.

CONSTRUCTION : Ø 0.57 mm electrolytic copper conductor
PE insulation
Cores twisted in pairs
Four pairs stranded together with star shaped separator
AL-PES foil screen
85% braiding of tinned copper wire screen
Grey PVC outer sheath (RAL 7032)
Cable outer diameter: 8.2 mm
Cable weight: 98.3 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum

 EMPEDANS IMPEDANCE 1-100 MHz 100Ω ±%15 Ohm 101-250 MHz 100Ω ±%18 Ohm	 EFEKTİF KAPASİTE MUTUAL CAPACITANCE MAX. 60 nf/km.	 İLETKEN DİRENCİ CONDUCTOR RESISTANCE MAX. 72 Ω/km.	 DİRENÇ DENGESİZLİĞİ RESISTANCE UNBALANCE MAX. %2
 İZOLASYON DİRENCİ RESISTANCE MIN. 5000 M Ω km. (500 VDC)	 TEST GERİLİMİ TEST VOLTAGE Max. 700V	 ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE Max. 230V	 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE - 20 °C...+60 °C
 min. BÜKME YARIÇAP min. BENDING RADIUS 8 X D	 ÇEKME KUVVETİ TENSILE STRENGTH MAX. 50 N/mm ²		

CATEGORY 6 S/FTP 4x2x23 AWG

DATA/LAN KABLolari

DATA/LAN CABLES

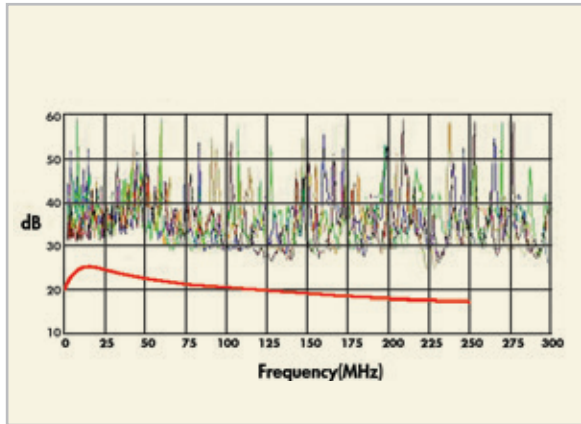
CATEGORY 6 S/FTP 4x2x23 AWG



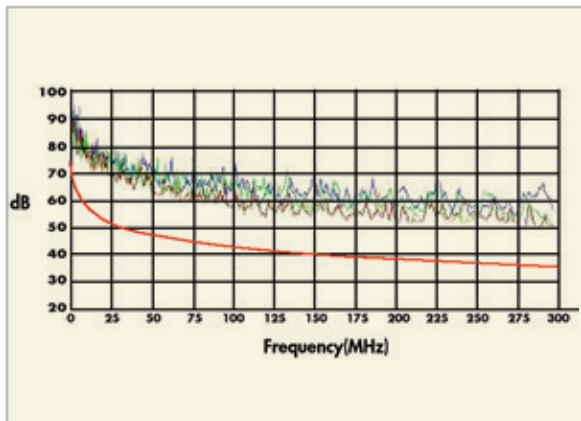
Elektriksel Özellikler / Electrical Properties

Frequency (MHz)	Insertion Loss Max. (dB/100 m)	Near-End Crosstalk (NEXT) Loss Min. (dB 100)	PS Near-End Crosstalk (PS NEXT) Loss Min. (dB 100)	Equal Level Far-End Crosstalk (ELFEXT) Min. (dB/100 m)	PS Equal Level Far-End Crosstalk (PSELFEXT) Loss Min. (dB/100 m)	Return Loss (RL) Min. (dB)
0,772	1,8	76,0	74,0	70,0	67,0	
1,0	2,0	74,3	72,3	67,8	64,8	20,0
4,0	3,8	65,3	63,3	55,8	52,8	23,0
8,0	5,3	60,8	58,8	49,7	46,7	24,5
10,0	6,0	59,3	57,3	47,8	44,8	25,0
16,0	7,6	56,2	54,2	43,7	40,7	25,0
25,0	9,5	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,4	47,4	45,4	31,9	28,9	21,5
100	19,8	44,3	42,3	27,8	24,8	20,1
200	29,0	39,8	37,8	21,8	18,8	18,0
250	32,8	38,3	36,3	19,8	16,8	17,3

Geri Dönüş Kaybı SRL / Structural Return Loss



PS NEXT / Power Sum NEXT



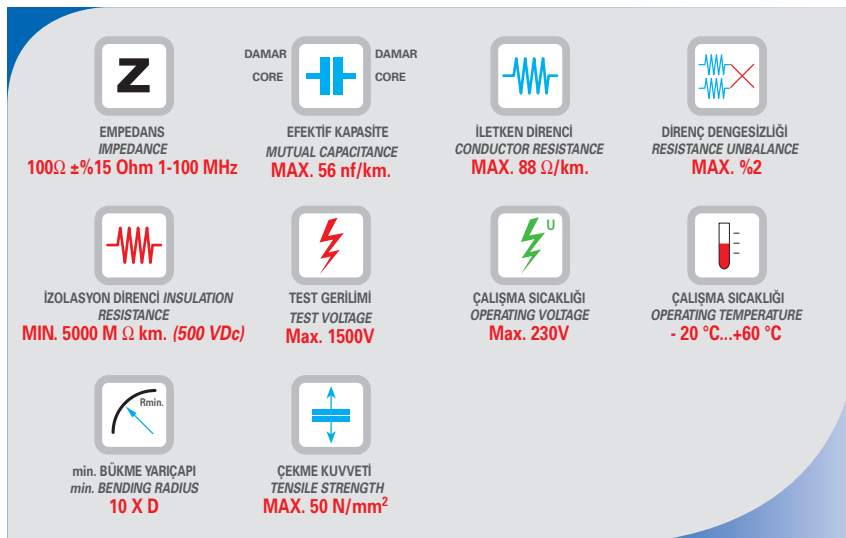
TELTEKS KABLO CATEGORY 5 UTP 4x2x24 AWG

**KABLO TİPİ : CATEGORY 5 UTP 4x2x24 AWG**

- ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : 7x Ø 0.20 mm bükülü elektrolitik bakır iletken
 PE yalıtkan
 Çiftler halinde bükülü damarlar
 Çiftler bir arada bükülerek kablo özü oluşturulur.
 Gri renkli PVC dış kılıf (RAL 7032)
 Kablo dış çapı: 5.8 mm
 Kablo ağırlığı: 37.1 kg/km
 Standart ambalaj: 100 m kantal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 UTP 4x2x24 AWG

- SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- APPLICATION** : Used in telecommunication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.
- CONSTRUCTION** : 7x Ø 0.20 mm stranded electrolytic copper conductor
 PE insulation
 Cores twisted in pairs
 Pairs stranded together
 Grey PVC outer sheath (RAL 7032)
 Overall diameter: 5.8 mm
 Cable weight: 37.1 kg/km
 Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5 UTP 4x2x24 AWG

DATA/LAN KABLoları (PATCH CABLE)

DATA/LAN CABLES (PATCH CABLE)

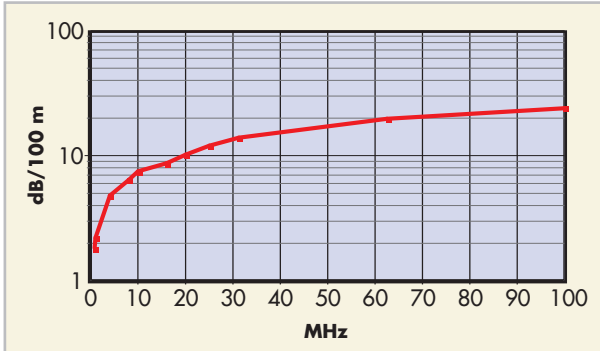
TELTEKS KABLO CATEGORY 5 UTP 4x2x24 AWG



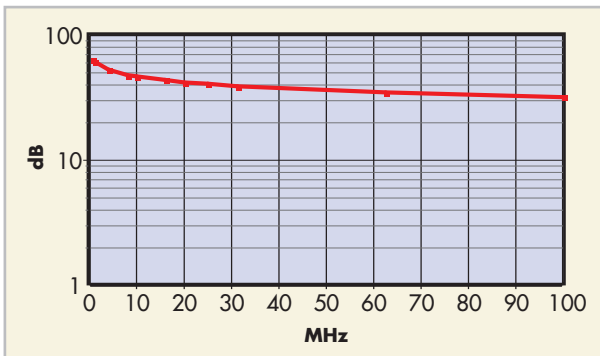
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyafonisi
Frequency (MHz)	Structural Return Loss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyafonisi-NEXT / Near-End Crosstalk) Min.(dB)



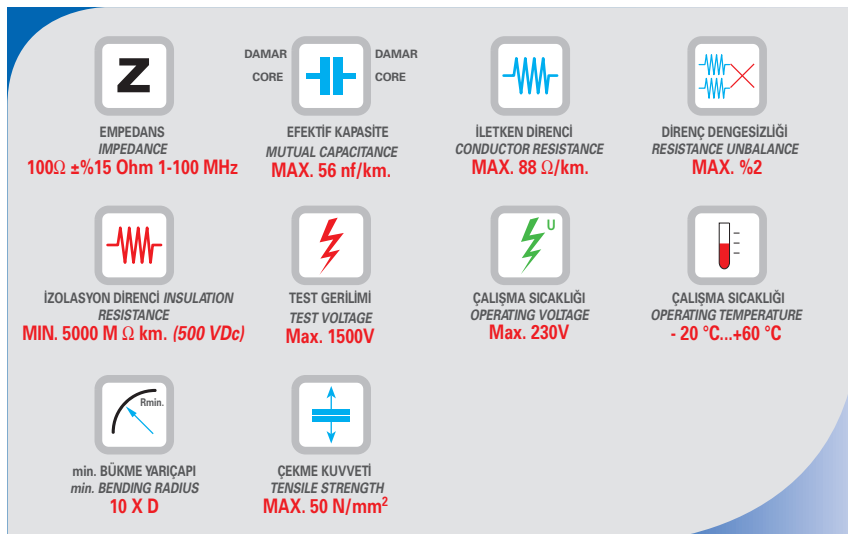
TELTEKS KABLO CATEGORY 5 FTP 4x2x24 AWG

**KABLO TİPİ : CATEGORY 5 FTP 4x2x24 AWG**

- ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : 7x Ø 0.20 mm bükülü elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur
7x Ø 0.20 mm elektrolitik kalaylı bakır toprak teli
AL-PES folyo ekran
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 6.0 mm
Kablo ağırlığı: 41.0 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 FTP 4x2x24 AWG

- SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.
- CONSTRUCTION** : 7x Ø 0.20 mm stranded electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
7x Ø 0.20 mm electrolytic tinned copper earth wire
AL-PES foil screen
Grey PVC outer sheath (RAL 7032)
Overall diameter: 6.0 mm
Cable weight: 41.0 kg/km
Standard packing: 100m coil, 305m box, 1000m drum



DATA/LAN KABLOLARI (PATCH CABLE)

DATA/LAN CABLES (PATCH CABLE)

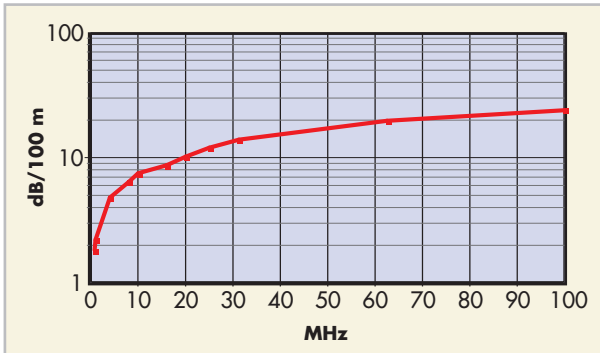
TELTEKS KABLO CATEGORY 5 FTP 4x2x24 AWG



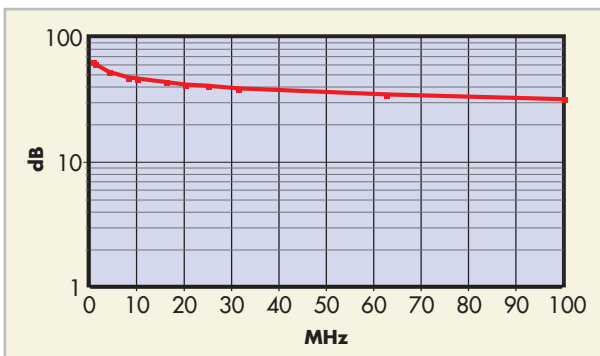
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyaforisi
Frequency (MHz)	Structural Return Loss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyaforisi-NEXT / Near-End Crosstalk) Min.(dB)



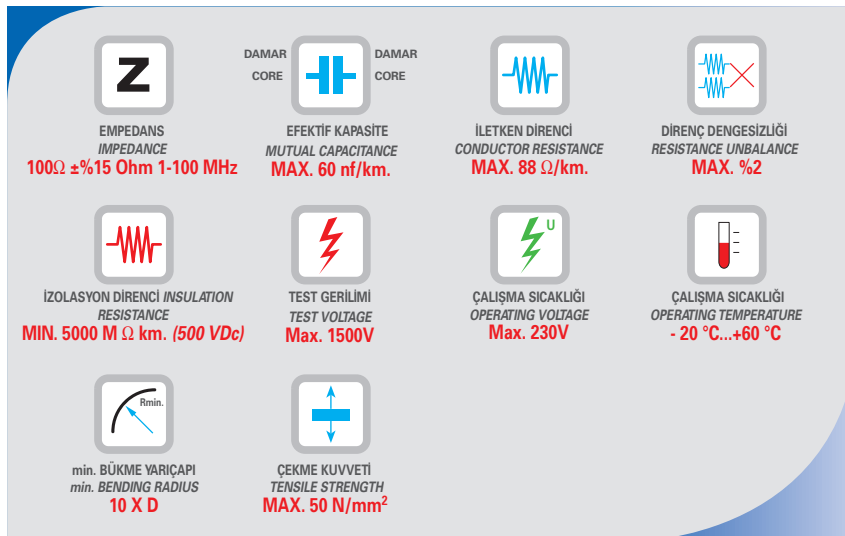
TELTEKS KABLO CATEGORY 5 S/FTP

**KABLO TİPİ : CATEGORY 5 S/FTP 4x2x24 AWG****ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır. Kablo özünün kalaylı bakır örgü ile kaplanması kabloyu dışarıdan gelecek elektromanyetik etkilerden korur.

YAPI : 7x Ø 0.20 mm bükülü elektrolitik bakır iletken
 PE yalıtkan
 Çiftler halinde bükülü damarlar
 Çiftler bir arada bükülerek kablo özü oluşturulur
 AL-PES folyo ekran
 %85 kapama sağlayacak şekilde kalaylı bakır örgü ekran
 Gri renkli PVC dış kılıf (RAL 7032)
 Kablo dış çapı: 6.5 mm
 Kablo ağırlığı: 55.8 kg/km
 Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 S/FTP 4x2x24 AWG**SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec. By the braiding on cable core, the cable is protected against electromagnetic effects.

CONSTRUCTION : 7x Ø 0.20 mm stranded electrolytic copper conductor
 PE insulation
 Cores twisted in pairs
 Pairs stranded together
 AL-PES foil screen
 85% braiding of tinned copper wire screen
 Grey PVC outer sheath (RAL 7032)
 Overall diameter: 6.5 mm
 Cable weight: 55.8 kg/km
 Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5 S/FTP 4x2x24 AWG

DATA/LAN KABLOLARI (PATCH CABLE)

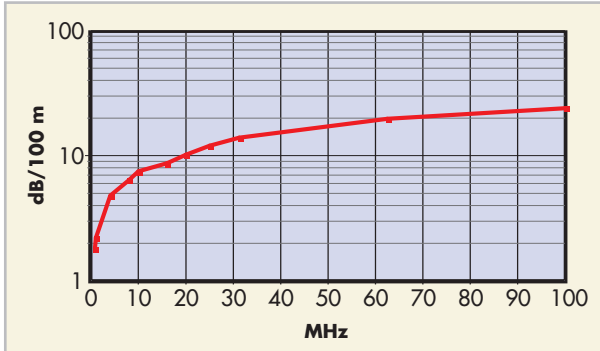
DATA/LAN CABLES (PATCH CABLE)



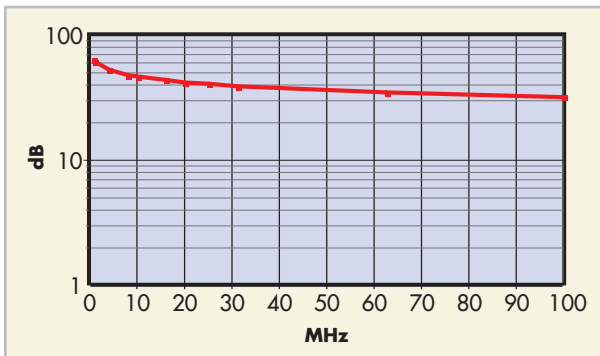
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyaforisi
Frequency (MHz)	Structural ReturnLoss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyaforisi-NEXT / Near-End Crosstalk) Min.(dB)



TELTEKS KABLO CATEGORY 5 UTP 4x2x26 AWG

**KABLO TİPİ : CATEGORY 5 UTP 4x2x26 AWG**

- ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hızı kadar analog ve dijital sinyal iletiminde kullanılır.
- YAPI** : 7xØ 0.16 mm bükülü elektrolitik bakır iletken
PE yalıtkan
Çiftler halinde bükülü damarlar
Çiftler bir arada bükülerek kablo özü oluşturulur
Gri renkli PVC dış kılıf (RAL 7032)
Kablo dış çapı: 5.8 mm
Kablo ağırlığı: 37.1 kg/km
Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 UTP 4x2x26 AWG

- SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014
- APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.
- CONSTRUCTION** : 7xØ 0.16 mm stranded electrolytic copper conductor
PE insulation
Cores twisted in pairs
Pairs stranded together
Grey PVC outer sheath (RAL 7032)
Overall diameter: 5.8 mm
Cable weight: 37.1 kg/km
Standard packing: 100 m coil, 305 m box, 1000 m drum

	DAMAR CORE		DAMAR CORE		
EMPEDANS IMPEDANCE		EFEKTİF KAPASİTE MUTUAL CAPACITANCE		İLETKEN DİRENCİ CONDUCTOR RESISTANCE	DİRENC DENGESİZLİĞİ RESISTANCE UNBALANCE
100Ω ±%15 Ohm 1-100 MHz		MAX. 56 nf/km.		MAX. 138 Ω/km.	MAX. %2
					
İZOLASYON DİRENCİ INSULATION RESISTANCE		TEST GERİLİMİ TEST VOLTAGE		ÇALIŞMA SICAKLIĞI OPERATING VOLTAGE	ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE
MIN. 5000 M Ω km. (500 VDC)		Max. 1500V		Max. 230V	- 20 °C...+60 °C
					
min. BÜKME YARIÇAP min. BENDING RADIUS		ÇEKME KUVVETİ TENSILE STRENGTH			
10 X D		MAX. 50 N/mm ²			

CATEGORY 5 UTP 4x2x26 AWG

DATA/LAN KABLOLARI (PATCH CABLE)

DATA/LAN CABLES (PATCH CABLE)

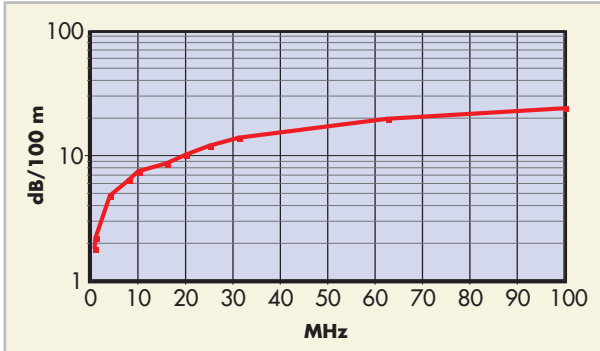
TELTEKS KABLO CATEGORY 5 UTP 4x2x26 AWG



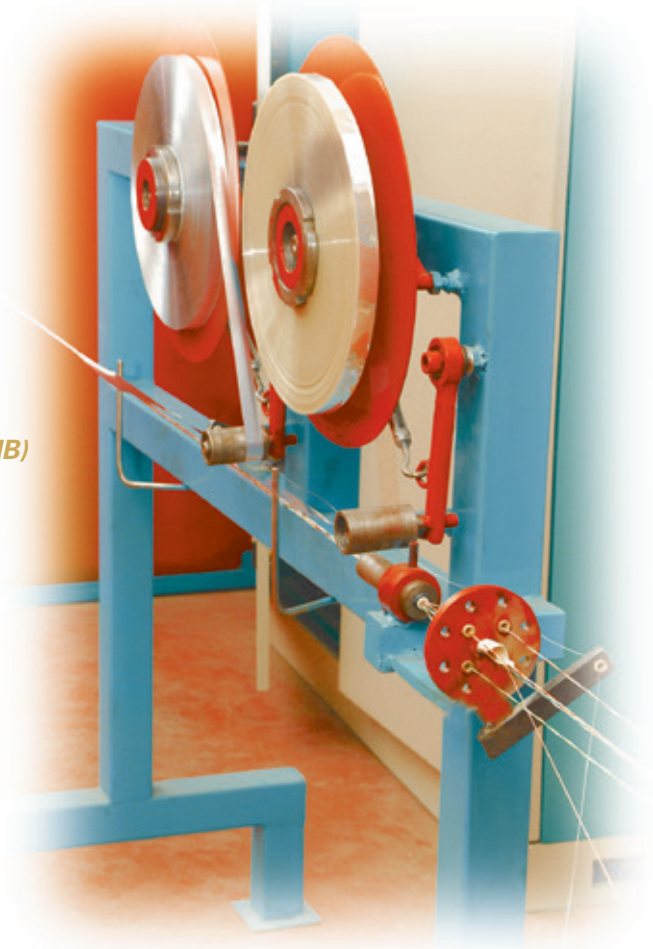
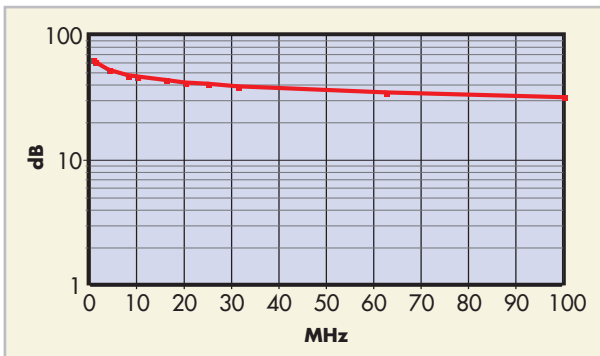
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyaforisi
Frequency (MHz)	Structural Return Loss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyaforisi-NEXT / Near-End Crosstalk) Min.(dB)



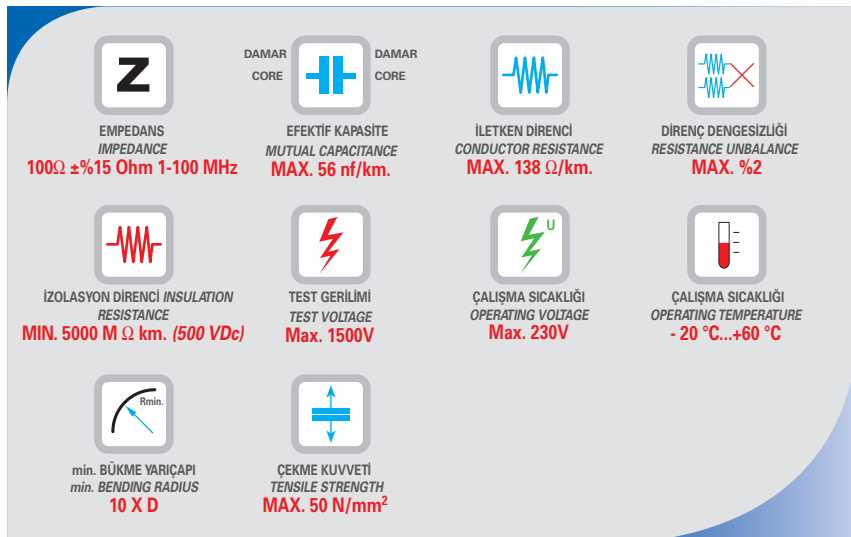
TELTEKS KABLO CATEGORY 5 FTP 4x2x26 AWG

**KABLO TİPİ : CATEGORY 5 FTP 4x2x26 AWG****ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır.

YAPI : 7xØ 0.16 mm bükülü elektrolitik bakır iletken
 PE yalıtkan
 Çiftler halinde bükülü damarlar
 Çiftler bir arada bükülerek kablo özü oluşturulur.
 7xØ 0.16 mm elektrolitik kalaylı toprak teli
 AL-PES folyo ekran
 Gri renkli PVC dış kılıf (RAL 7032)
 Kablo dış çapı: 6.0 mm
 Kablo ağırlığı: 35.2 kg/km
 Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 FTP 4x2x26 AWG**SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**APPLICATION** : Used in data communication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec.

CONSTRUCTION : 7xØ 0.16 mm stranded electrolytic copper conductor
 PE insulation
 Cores twisted in pairs
 Pairs stranded together
 7xØ 0.16 mm electrolytic tinned copper earth wire
 AL-PES foil screen
 Grey PVC outer sheath (RAL 7032)
 Overall diameter: 6.0 mm
 Cable weight: 35.2 kg/km
 Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5 FTP 4x2x26 AWG

DATA/LAN KABLolari (PATCH CABLE)

DATA/LAN CABLES (PATCH CABLE)

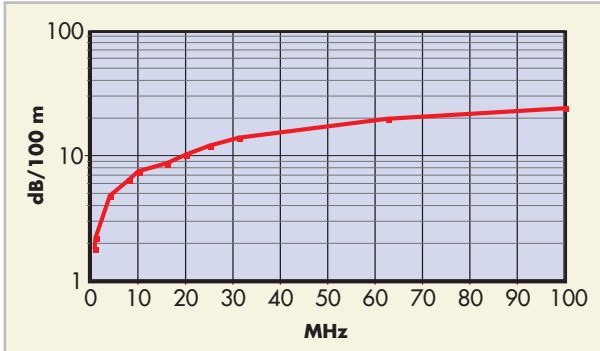
TELTEKS KABLO CATEGORY 5 FTP 4x2x26 AWG



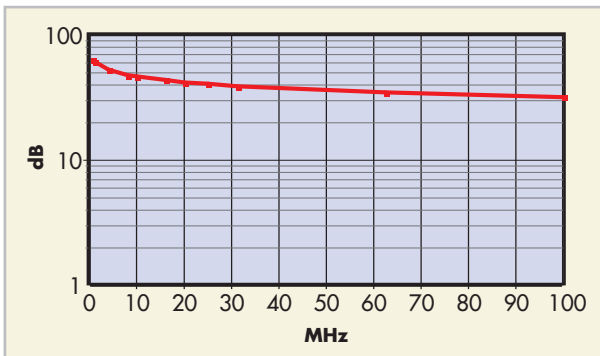
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyaforisi
Frequency (MHz)	Structural Return Loss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyaforisi-NEXT / Near-End Crosstalk) Min.(dB)



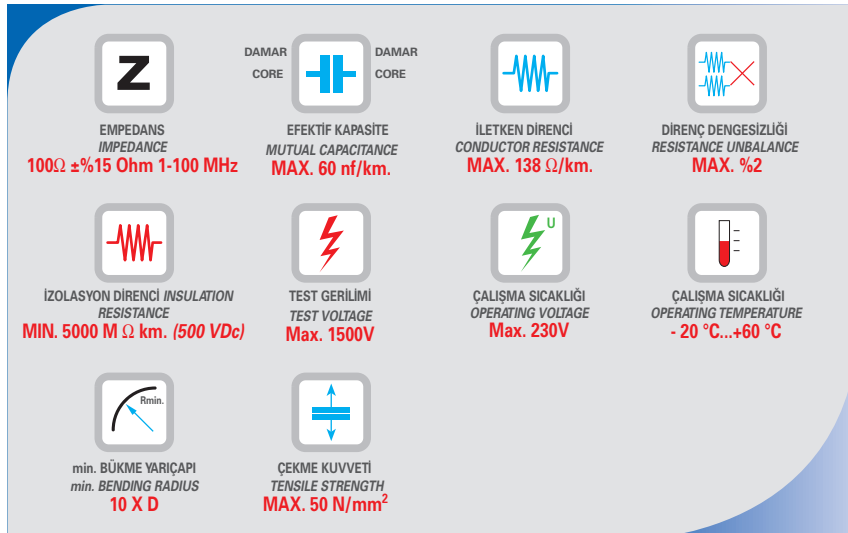
TELTEKS KABLO CATEGORY 5 S/FTP 4x2x26 AWG

**KABLO TİPİ : CATEGORY 5 S/FTP 4x2x26 AWG****ŞARTNAME** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**KULLANIM YERİ** : Bu kablolar bilgi iletişim sistemlerinde 100 Mbit/sn hıza kadar analog ve dijital sinyal iletiminde kullanılır. Kablo özünün kalaylı bakır örgü ile kaplanması kabloyu dışarıdan gelecek elektromanyetik etkilerden korur.

YAPI : 7x Ø 0.16 mm bükülü elektrolitik bakır iletken
 PE yalıtkan
 Çiftler halinde bükülü damarlar
 Çiftler bir arada bükülerek kablo özü oluşturulur.
 AL-PES folyo ekran
 % 85 kapama sağlayacak şekilde kalaylı bakır örgü ekran
 Gri renkli PVC dış kılıf (RAL 7032)
 Kablo dış çapı: 6.5 mm
 Kablo ağırlığı: 49.2 kg/km
 Standart ambalaj: 100 m kangal, 305 m koli, 1000 m makara

CABLE TYPE : CATEGORY 5 S/FTP 4x2x26 AWG**SPECIFICATION** : ANSI/ICEA S-80-576-ANSI/TIA/EIA 568-A, TS IEC 61156-5:2014**APPLICATION** : Used in telecommunication networks in transmission of analog and digital signals, has a maximum working transmission speed of 100 Mbit/sec. By the braiding on cable core, the cable is protected against electromagnetic effects.**CONSTRUCTION** : 7x Ø 0.16 mm stranded electrolytic copper conductor

PE insulation
 Cores twisted in pairs
 Pairs stranded together
 AL-PES foil screen
 85 % braiding of tinned copper wire screen
 Grey PVC outer sheath (RAL 7032)
 Overall diameter: 6.5 mm
 Cable weight: 49.2 kg/km
 Standard packing: 100 m coil, 305 m box, 1000 m drum



CATEGORY 5 S/FTP 4x2x26 AWG

DATA/LAN KABLolari (PATCH CABLE)

DATA/LAN CABLES (PATCH CABLE)

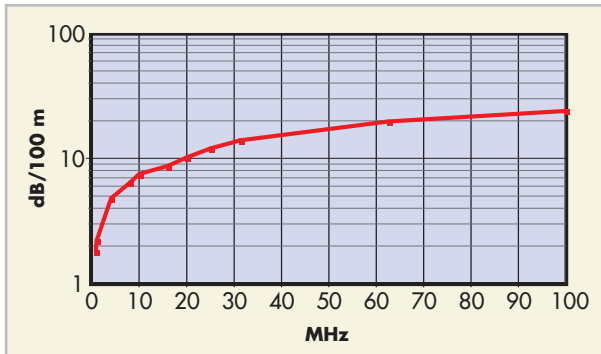
TELTEKS KABLO CATEGORY 5 S/FTP 4x2x26 AWG



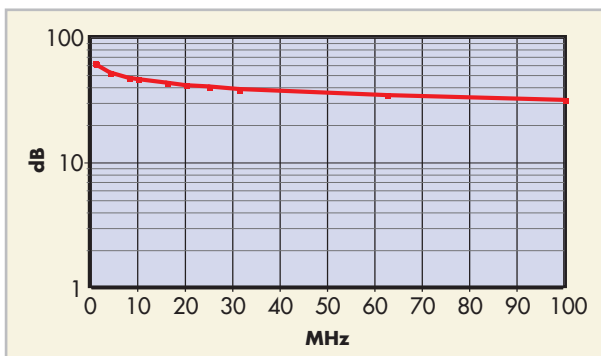
Elektriksel Özellikler / Electrical Properties

Frekans	Geri Dönüş Kaybı	Zayıflama	Yakın Uç Diyafonisi
Frequency (MHz)	Structural Return Loss SRL (dB)	Attenuation Max.(dB/100 m)	NEXT (Near and crosstalk) Min (dB)
0,772	23,0	1,8	64
1,0	23,0	2,2	62
4,0	23,0	4,8	53
8,0	23,0	6,4	48
10,0	23,0	7,5	47
16,0	23,0	8,7	44
20,0	23,0	10,2	42
25,0	22,0	12,0	41
31,25	21,0	13,9	39
62,5	18,0	19,7	35
100	16,0	24,0	32

Zayıflama Max. (db/100m) / Attenuation



Yakın Uç Diyafonisi-NEXT / Near-End Crosstalk) Min.(dB)





TELTEKS KABLO RG 58 C/U

KABLO TİPİ : RG 58 C/U**ŞARTNAME** : MIL C-17**KULLANIM YERİ** : CB (Citizen Band) ve telsiz anten sistemlerinde bağlantı, data iletişim sistemlerinde terminal ve bağlantı kablosu olarak kullanılır

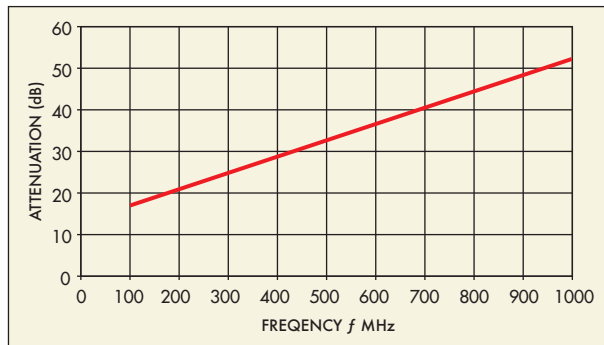
YAPI : 19xØ 0.18 mm elektrolitik kalaylı bükülü bakır iç iletken
 Ø 2.95 mm solid polietilen izolasyon (SPE)
 % 90 kapamalı elektrolitik kalaylı bakır telden örgü ekran
 Ø 4.6 mm siyah PVC dış kılıf
 Kablo ağırlığı: 38,1 kg/km
 Standart ambalaj: 100 – 500 – 1000 m

CABLE TYPE : RG 58 C/U**SPECIFICATION** : MIL C-17**APPLICATION** : Used in CB (Citizen Band), radio communication antenna and data transmission systems as terminal and connection cable.

CONSTRUCTION : 19xØ 0.18 mm electrolytic stranded tinned copper conductor
 Ø 2.95 mm solid PE insulation
 90 % braiding of electrolytic tinned copper wire screen
 Ø 4.6 mm black PVC outer sheath
 Cable weight: 38,1 kg/km
 Standard packing: 100 – 500 – 1000 m

Zayıflama / Attenuation

Frekans (MHz)	100	200	500	800	1000
Zayıflama (dB/100m)	16,3	23,1	36,4	45,2	52,0



K KAPASİTANS CAPACITANCE 101 pF/m	Z EMPEDANS IMPEDANCE 50 ± 2Ω
Vr YAYILMA HIZI VELOCITY RATIO 0,66	 İZOLASYON DİRENCİ INSULATION RESISTANCE >5000 M Ω km
 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE -40 °C... +80 °C	 ÇALIŞMA GERİLİMİ OPERATING VOLTAGE 2.5 kV
 TEST GERİLİMİ TEST VOLTAGE 5.0 kV	 min. BÜKME YARIÇAPı min. BENDING RADIUS 10 X D

TELTEKS KABLO THICK ETHERNET 10 base 5 DEC

**KABLO TİPİ : THICK ETHERNET 10 base 5 DEC.****ŞARTNAME** : IEEE 802-3**KULLANIM YERİ** : Yerel bilgi iletişim ağlarında PC şebekelerinde, LAN tesislerde ve CSMA /CD yöntemlerinde ana hat kablosu olarak kullanılır.**YAPI**

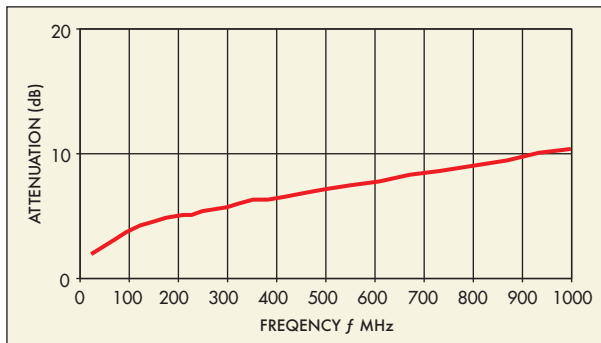
- Ø 2.17 mm elektrolitik kalaylı bakır iç iletken
- Ø 6.25 mm köpüklü polietilen izolasyon (KPE)
- % 100 kapamalı AL/PES ekran
- 1. Örgü Ekran: % 93 kapamalı elektrolitik kalaylı bakır telden örgü
- % 100 kapamalı AL/PES/AL ekran
- 2. Örgü Ekran: % 95 kapamalı elektrolitik kalaylı bakır telden örgü
- Ø 10.4 mm sarı PVC dış kılıf
- Kablo ağırlığı: 179.7 kg/km
- Standart ambalaj: 100 – 500 – 1000 m

CABLE TYPE : THICK ETHERNET 10 base 5 DEC.**SPECIFICATION** : IEEE 802-3**APPLICATION** : Used in local data transmission, PC power systems, LAN installations and CSMA/CD applications.

CONSTRUCTION : 1xØ 2.17 mm electrolytic tinned copper conductor
 Ø 6.25 mm foam PE insulation
 100 % AL/PES coverage screen
 1st screen: % 93 braiding of electrolytic tinned copper wire
 100 % AL/PES/AL coverage screen
 2nd screen: % 95 braiding of electrolytic tinned copper wire
 Ø 10.4 mm yellow PVC outer sheath
 Cable weight: 179.7 kg/km
 Standard packing: 100 – 500 – 1000 m

Zayıflama / Attenuation

Frekans (MHz)	10	50	100	200	400
Zayıflama (dB/100m)	1,7	4,0	5,1	7,0	10,2



K KAPASİTANS CAPACITANCE 85 pF/m	Z EMPEĐANS IMPEDANCE 50 ± 2Ω
Vr YAYILMA HIZI VELOCITY RATIO 0,80	 İZOLASYON DİRENCİ INSULATION RESISTANCE >5000 M Ω km
 ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE -20 °C... +60 °C	 ÇALIŞMA GERİLİMİ OPERATING VOLTAGE 2.5 kV
 TEST GERİLİMİ TEST VOLTAGE 5.0 kV	 min. BÜKME YARIÇAPı min. BENDING RADIUS 20 X D

TELTEKS KABLO THIN ETHERNET 10 base 2 DEC



KABLO TİPİ : THIN ETHERNET 10 base 2 DEC

ŞARTNAME : IEEE 802-3

KULLANIM YERİ : LAN uygulamalarında ve PC şebekelerde terminal kablosu olarak kullanılır. 19xØ 0.20 mm elektrolitik kalaylı bakır iç iletken

YAPI : Ø 2.72 mm köpüklü polietilen izolasyon (KPE)
% 100 kapamalı AL/PES/AL ekran
% 95 kapamalı elektrolitik kalaylı bakır telden örgü ekran
Ø 4.8 mm beyaz PVC dış kılıf
Kablo ağırlığı: 31.8 kg/km
Standart ambalaj: 100 – 500 – 1000 m

CABLE TYPE : THIN ETHERNET 10 base 2 DEC

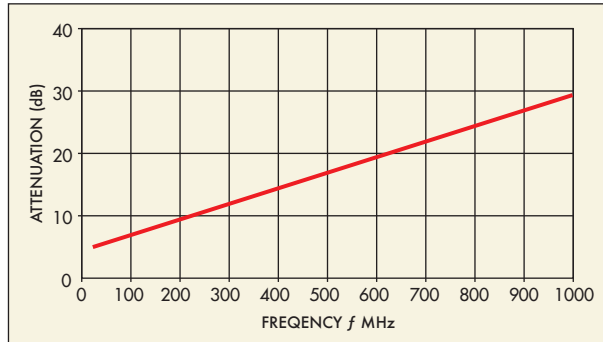
SPECIFICATION : IEEE 802-3

APPLICATION : Used in LAN installations and PC power systems as terminal cable. 19xØ 0.20 mm electrolytic tinned copper conductor

CONSTRUCTION : Ø 2.72 mm foam PE insulation
100 % AL/PES/AL coverage screen
95 % braiding of electrolytic tinned copper wire screen
Ø 4.8 mm white PVC outer sheath
Cable weight: 31.8 kg/km
Standard packing: 100 – 500 – 1000 m

Zayıflama / Attenuation

Frekans (MHz)	100	200	500	800	1000
Zayıflama (dB/100m)	4,4	10,2	13,9	19,7	29,1

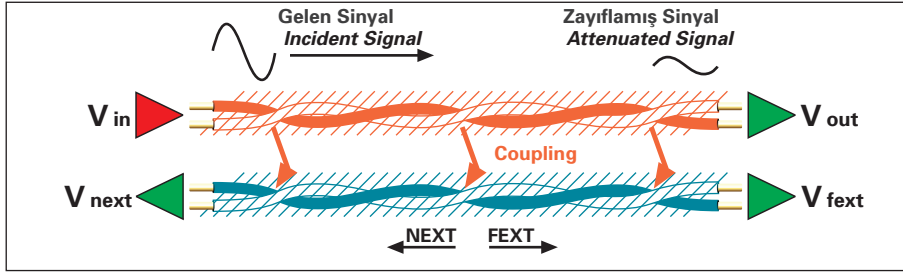


K KAPASİTANS CAPACITANCE 83 pF/m	Z EMPEDANS IMPEDANCE 50 ± 2Ω
Vr YAYILMA HIZI VELOCITY RATIO 0,80	U İZOLASYON DİRENCİ INSULATION RESISTANCE >5000 M Ω km
U ÇALIŞMA SICAKLIĞI OPERATING TEMPERATURE -20 °C... +60 °C	U ÇALIŞMA GERİLİMİ OPERATING VOLTAGE 2.5 kV
U TEST GERİLİMİ TEST VOLTAGE 5.0 kV	U min. BÜKME YARIÇAP min. BENDING RADIUS 20 X D

Near End Crosstalk (NEXT)

Yerel ağ bağlantılarında, perlerden birindeki sinyalin diğer komşu perleri etkilemesiyle oluşur. NEXT, gönderilen sinyalin, alınan sinyalle elektromanyetik olarak birleşen (kesilen, karışan) kısmıdır. Eğer perler gerekli sıklıkta bükülmez ise, NEXT oluşur.

In LANs, NEXT occurs when a strong signal on one pair of wires is picked up by an adjacent pair of wires. NEXT is the portion of the transmitted signal that is electromagnetically coupled back into the received signal. If wires are not tightly twisted, the result is Near End Crosstalk (NEXT).

**Far End Crosstalk (FEXT)**

NEXT'le benzerlik gösterir. Farkı, sinyal yakın uçtan gönderilir, crosstalk uzak uçtan ölçülür. *Far End Crosstalk is similar to Near End Crosstalk (NEXT), except that the signal is sent from the local end and crosstalk is measured at the far end.*

Power Sum NEXT (PSNEXT)

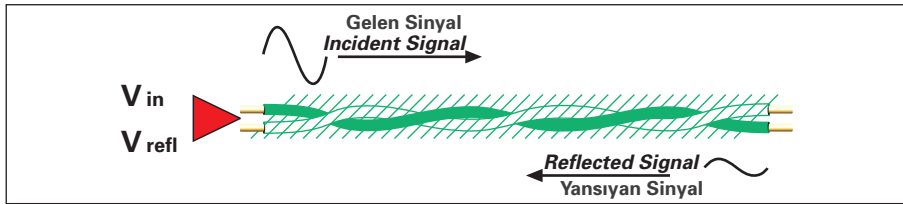
PSNEXT, her çiftteki bireysel NEXT etkilerinin, diğer çiftlerle etkileşiminin sonucudur. IEE 8023.ab standartlarında özellikle belirtilmemesine rağmen, PSNEXT değerleri Gigabit Ethernet gibi 4 çiftli transmisyonlar için çok önemlidir.

PSNEXT is derived from the summation of the individual NEXT effects on each pair by the other three pairs. PSNEXT is important measurements for qualifying cabling intended to support 4 pair transmission schemes such as Gigabit Ethernet, although IEE 8023.ab does not specifically require PSNEXT.

Geri Dönüş Kaybı / Return Loss

Geri dönüş kaybı (RL) link boyunca empedans uygunsuzlukları neticesinde ortaya çıkan tüm yansımaların ölçümüdür. Desibel (dB) olarak ifade edilir.

Return Loss (RL) is a measure of all reflections that are caused by the impedance mismatches at all locations along the link and is expressed in decibel (dB).

**Equal Level Far End Crosstalk (ELFEXT)**

Etkilenen perdeki zayıflamanın, bu perin komşu perde neden olduğu FEXT'den çıkartılması ile bulunur.

It is derived by subtracting the attenuation of the disturbing pair from the Far End Crosstalk (FEXT) this pair induces in an adjacent pair.

50 m örnek / link example:

$FEXT = 45 \text{ dB}$ Zayıflama / Attenuation = 11 dB

$ELFEXT = 45 - 11 = 34 \text{ dB}$

Power Sum Equal Level Crosstalk (PSELFEXT)

Her çiftteki bireysel ELFEXT'in diğer çiftlerdeki etkileşiminin matematiksel sonucudur.

PSELFEXT is derived from an algebraic summation of the individual ELFEXT effects on each pair by the other three pairs. There are four PSELFEXT results for each end.

ŞEBEKE TOPOLOJİSİ

Şebekelerde farklı biçimli bağlantı şekilleri vardır. Buna network topolojisi yada şebeke mimarisi denilmektedir. Yerel alan ağlarında yoğun olarak Ortak Yol, Yıldız veya Halka topolojileri kullanılırken, geniş alan ağlarında Ağaç topolojisi kullanılır.



NETWORK TOPOLOGY

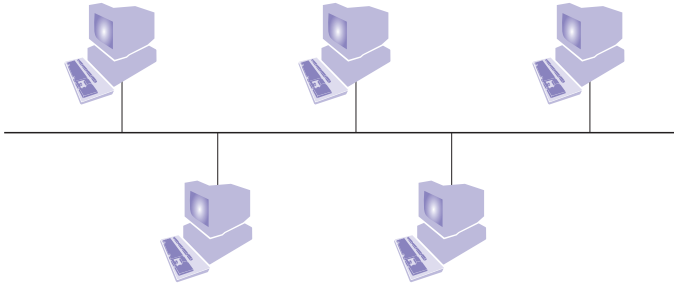
In networks there are different connection figures. This is called network topology. Bus, star and ring topology is generally used for Local Area Network. Hierarchical topology is generally used for Wide Area Network.

1. ORTAK YOL TOPOLOJİSİ

Ortak yol topolojisinde ağdaki tüm bilgisayarlar v.s. gibi düğümler aynı anda bir ortak iletim ortamı üzerinden haberleşirler.

1. BUS TOPOLOGY

A bus topology uses a single backbone segment (length of cable) that all the hosts connect to directly.

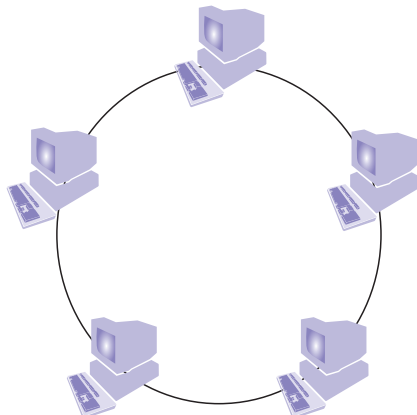


2. HALKA TOPOLOJİSİ

Halka topolojisinde her düğüm komşu iki düğüme bağlıdır. İletim yolu halka biçimindedir.

2. RING TOPOLOGY

A ring topology connects one host to the next and the last host to the first. This creates a physical ring of cable.

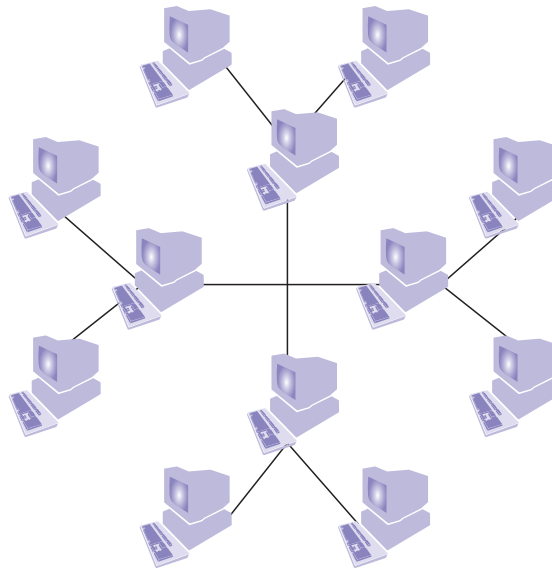


3. YILDIZ TOPOLOJİ

Yıldız topolojisinde düğümlerin tamamı merkez noktadan bir cihaza bağlıdır. Ağ üzerindeki tüm trafik bu merkez noktadan geçer.

3. STAR TOPOLOGY

An extended star topology uses the star topology to be created. It links individual stars together by linking the hubs/switches.

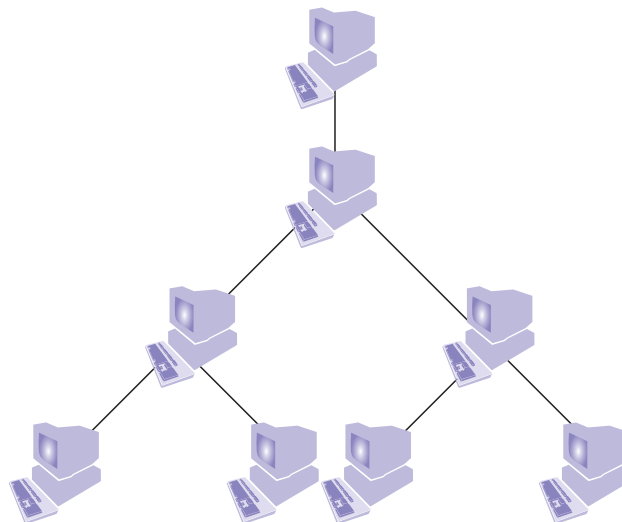


4. HİYERARŞİK TOPOLOJİ

Hiyerarşik topoloji ağaç topolojisi olarak da adlandırılır. Bu topolojide veri yönetim ve işleme sorumluluğu farklı farklı olan sistemler, sorumluluk düzeyine göre sıralanarak hiyerarşik bir yapıda bağlanırlar.

4. HIERARCHICAL TOPOLOGY

It is also called tree topology. In this topology the systems that have different data management and processing responsibility, connected in a hierarchical figure, according to the level of their responsibility.



TEKNİK TERİMLER
TECHNICAL TERMS

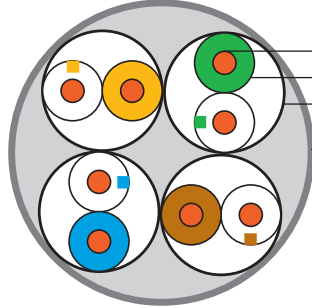


- AC (Alternating Current):** Alternatif akım
- AWG (American Wire Gauge):** Amerikan tel ölçüsü AWG numarası küçüldükçe tel çapı büyür.
- ACR (Attenuation to Crosstalk Ratio):** Belli bir frekansta zayıflama ile crosstalk arasındaki dB olarak fark.
- BPS (Bit per second):** Saniyede iletilen ikili bitlerin sayısı.
- Bant Genişliği (Band width):** Spektrumda, işaretlerin taşınması için belirlenmiş frekans bölgesi.
- Bükülme Çapı (Bending Radius):** Düz, yuvarlak ya da metalik kablunun herhangi zıt bir etki olmaksızın bükülebildiği çap.
- CATV (Community Antenna Television):** Müşterek antenli TV. Kablolu TV
- CCTV (Close Circuit Television):** Kapalı devre TV sistemi.
- CB (Citizen Band):** şehir içi amatörler arası telsiz konuşmalarına ayrılan şehir bandı.
- Crosstalk (Diafoni):** Bir kanaldaki veriye bağlı olarak diğer kanalda oluşan istenmeyen sinyal.
- CSMA/CD (Carrier Sense Multiple Access with Collision Detection):** 10 mbps Ethernet ve Fast Ethernet tarafından kullanılan LAN iletim tekniğidir.
- dB (Decibel):** Ses şiddet birimi.
- DIN (Deutsches Institut für Normung):** Alman Standartları Enstitüsü.
- DTE (Data Terminal Equipment):** Veri kaynağı ya da iletim noktası olarak çalışan cihaz.
- EIA (Electronics Industries Association):** Elektriksel ve bağlantı cihazlarının fonksiyonel karakteristiklerini özelleştiren bir ABD standardıdır.
- EIA/TIA T568A:** EIA/TIA 568 standardınca belirlenmiş olan, iki benzer fakat birbirleriyle uyumlu çalışmaları mümkün olmayan bükümlü perli kablunun telleriyle RJ-45 konnektörleri birleştirme metotlarından biri. EIA/TIA 568A, EIA/TIA 568A ve 568B bir RJ (registered jak) plugdaki 1,2,3, ve 6 no'lu pinleri kullanır.
- EIA/TIA T568B:** EIA/TIA 568 standardınca belirlenmiş olan, iki benzer fakat birbirleriyle uyumlu çalışmaları mümkün olmayan bükümlü perli kablunun telleriyle RJ-45 konnektörleri birleştirme metotlarından biri.
- EMC (Electromagnetic Compability):** Elektromanyetik uyumluluk.
- EMI (Electromagnetic Interference):** Elektromanyetik etkileşim. Veri iletişimini çok olumsuz etkileyecek olan gürültüleri filtre etme.
- Hz (Hertz):** Frekans birimi
- IEEE 802.3:** Ethernet için IEEE standardı.
- INSERTION LOSS (Ekleme Kaybı):** Sistemin çıktısını önceden tanımlayarak ve cihazın sisteme eklenmesinden sonra bir kablo veya componentin zayıflama ölçüsü.
- IEC (International Electrotechnical Commission):** Teknoloji standartlarını yerleştirmek için ISO ile işbirliği yapan bir organizasyon.
- ISDN (Integrated Services Digital Networking):** Ses, video ve veri sinyallerini mevcut telefon ağlarının üzerinden yollayan iletişim standardı.
- ITU (International Telecommunications Union):** Telekomünikasyon standartlarını yerleştirmekten sorumlu Birleşmiş Milletler Örgütü.
- KV (Kilovolt):** Gerilimin (voltun) 1000 katı
- LF (Low Frequency):** Alçak frekans. 30kHz den 300kHz'e kadar değişen frekans bandı.
- LAN (Local Area Network):** Yerel alan ağı. Küçük bir alana servis yapmak için tasarlanmış herhangi bir kullanıcı sayısını birleştiren veri ağı.
- LCL (Longitudinal Conversion Transfer Loss):** Boylamsal dönüşüm kaybı. Yakın kenarda dengelenmemiş zayıflama. **LCTL (Longitudinal Conversion Transfer Loss):** Boylamsal dönüşüm transfer kaybı. Uzak kenarda dengelenmemiş zayıflama.
- NEXT (Near End Crosstalk):** Yakın kenar diyafonisi. Perlerde oluşan ve yakın kenarda ölçülen cross talk.
- OHM:** Elektriksel direnç birimi. Potansiyel fark, bir voltun bir amperlik akım oluşturma direnç değerine yönelik direnç değeri.
- PE (Polietilen):** Mükemmel elektrostatik özelliklere sahip termoplastik malzeme.
- RE (Solid Conductor):** Tek telli solid malzemeli iletken.
- RM (Stranded Conductor):** Bükülü iletken
- STP (Shielded Twisted Pair):** Koruyuculu bükümlü perli.
- TIA (Telecommunication Industries Association):** EIA ile birlikte veri iletişim standartları belirlerler.
- UTP (Unshielded Twisted Pair):** Korumasız bükümlü perli.

DATA / LAN KABLOLARI KODU ve YAPISI

CODE and CONSTRUCTION OF DATA / LAN CABLES

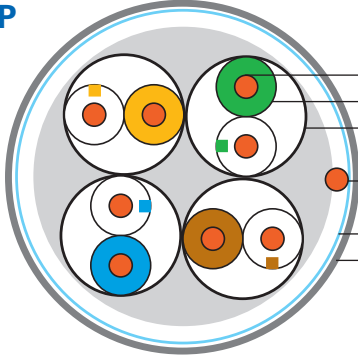
UTP



Elektrolitik bakır iletken / Electrolytic copper conductor PE
yalıtkan / PE insulation
Per / Twist

Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

FTP



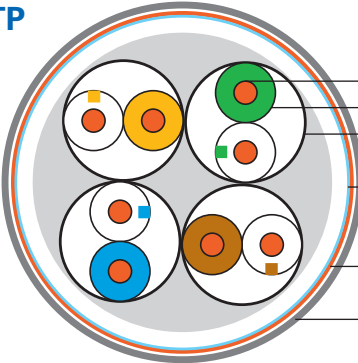
Elektrolitik bakır iletken / Electrolytic copper conductor PE
yalıtkan / PE insulation
Per / Twist

Kalaylı toprak teli / Tinned copper earth wire

AL-PES folyo ekran / AL-PES foil screen

Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

S/FTP



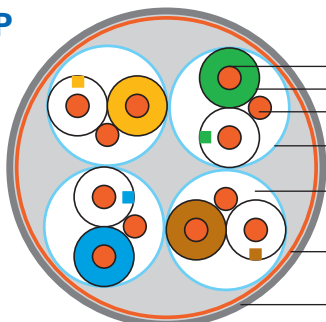
Elektrolitik bakır iletken / Electrolytic copper conductor
PE yalıtkan / PE insulation
Per / Twist

AL-PES folyo ekran / AL-PES foil screen

%85 kapama sağlayacak şekilde kalaylı bakır örgü
85% braiding of tinned copper wire screen

Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

S/STP



Elektrolitik bakır iletken / Electrolytic copper conductor
PE yalıtkan / PE insulation
Kalaylı toprak teli / Tinned copper earth wire

AL-PES folyo ekran / AL-PES foil screen

Per / Twist

%85 kapama sağlayacak şekilde kalaylı bakır örgü
85% braiding of tinned copper wire screen

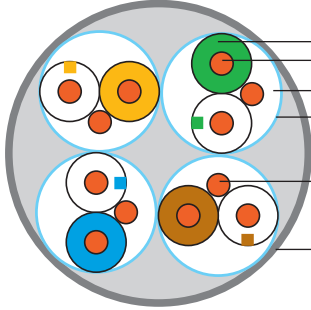
Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

DATA / LAN KABLolarARI KODU ve YAPISI

CODE and CONSTRUCTION OF DATA / LAN CABLES

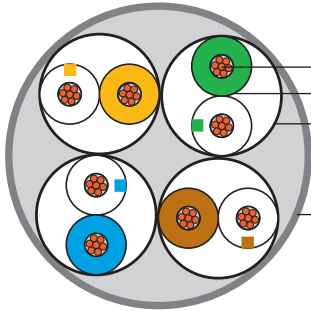


STP



- PE yalıtkan / PE insulation
- Elektrolitik bakır iletken / Electrolytic copper conductor
- Per / Twist
- AL-PES folyo ekran / AL-PES foil screen
- Kalaylı toprak teli / Tinned copper earth wire
- Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

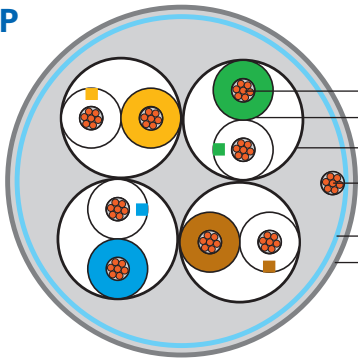
UTP



PATCH CABLE

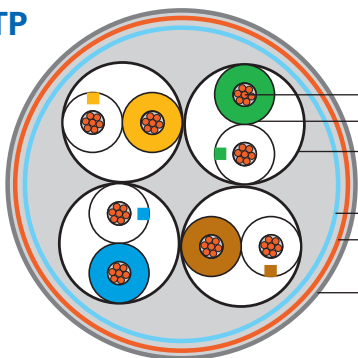
- Bükülü bakır iletken / Stranded copper conductor
- PE yalıtkan / PE insulation
- Per / Twist
- Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

FTP



- Bükülü bakır iletken / Stranded copper conductor
- PE yalıtkan / PE insulation
- Per / Twist
- Bükülü bakır iletken toprak teli / Stranded copper earth wire
- AL-PES folyo ekran / AL-PES foil screen
- Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

S/FTP



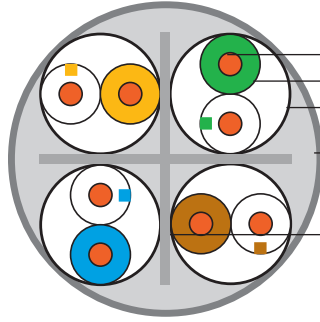
- Bükülü bakır iletken / Stranded copper conductor
- PE yalıtkan / PE insulation
- Per / Twist
- AL-PES folyo ekran / AL-PES foil screen
- %85 kapama sağlayacak şekilde kalaylı bakır örgü
85% brading of tinned copper wire screen
- Gri renkli PVC dış kılıf (RAL 7032)
Grey PVC outer sheath (RAL 7032)

DATA / LAN KABLOLARI KODU ve YAPISI

CODE and CONSTRUCTION OF DATA / LAN CABLES

CAT 6

UTP



Elektrolitik bakır iletken / Electrolytic copper conductor

PE yalıtkan / PE insulation

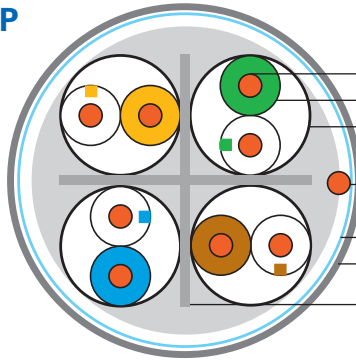
Per / Twist

Gri renkli PVC dış kılıf (RAL 7032)

Grey PVC outer sheath (RAL 7032)

Yıldız ayırıcı / Star separator

FTP



Elektrolitik bakır iletken / Electrolytic copper conductor

PE yalıtkan / PE insulation

Per / Twist

Kalaylı toprak teli / Tinned copper earth wire

AL-PES folyo ekran / AL-PES foil screen

Gri renkli PVC dış kılıf (RAL 7032)

Grey PVC outer sheath (RAL 7032)

Yıldız ayırıcı / Star separator



TELTEKS 1x2x0.8 JE-H(ST)H...L9 FE 180-E 90 (ND) DIN UDE 0815

TELTEKS DATA LAN CABLE 100Ω H-UTP 4x2x24 AWG LEVEL CATEGORY 6 (TSEK)

TELTEKS 1x2x0.64mm PROFIBUS L2

TELTEKS DATA LAN CABLE 100Ω UTP 4x2x24 AWG LEVEL CATEGORY 6

