

## CAT.6A F/UTP 500 MHZ

EMEK KABLO CAT.6 F/UTP 500 MHZ



## KULLANIM ALANLARI

ISDN - VoIP  
 TOKEN RING 4/16 Mbit - 100 VG-AnyLAN  
 TP-PMD / TP-DDI - ATM 155, 622, 1200 Mbit  
 ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T, 10 G Base T  
 IEEE 802.3at - PoE (Power Over Ethernet)  
 Future 802.3af - PoEP (Power over Ethernet Plus)

## KABLO YAPISI

İletken	Mono tavlı bakır AWG23
İzolasyon	PO - Poliolefin
Separatör	PO - Poliolefin
Toprak Teli	Mono kalaylı bakır AWG26
Ekran	Al/PET folyo - %100 kapama
Kılıf	PVC veya LSZH - 5024 Mavi RAL
Standartlar	IEC 61156-5 / EN 50288-10-1

## TEKNİK ÖZELLİKLER

Direnç (max)	75 $\Omega$ / km
Empedans	1-100 MHz $100 \pm 15 \Omega$ / 100-250 MHz $100 \pm 20 \Omega$ 250-500 MHz $100 \pm 25 \Omega$
Kapasite	Nominal 52 pF/m
Yayıma Hızı	69% c

## APLICATION

ISDN - VoIP  
 TOKEN RING 4/16 Mbits - 100 VG-AnyLAN  
 TP-PMD/TP-DDI - ATM 155, 622, 1200 Mbits  
 ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T, 10 G Base T  
 IEEE 802.3at - PoE (Power Over Ethernet)  
 Future 802.3af - PoEP (Power over Ethernet Plus)

## CONSTRUCTION

Conductor	Solid annealed copper AWG23
Insulation	PO - Polyolefin
Separator	PO - Polyolefin
Drain Wire	Solid tinned copper AWG26
Shielding	Al/PET foil - Coverage 100%
Jacket	PVC or LSZH - Blue RAL 5024
Standards	IEC 61156-5 / EN 50288-10 -1

## TECHNICAL SPECIFICATIONS

Resistance (max)	75 $\Omega$ / km
Impedance	1-100 MHz $100 \pm 15 \Omega$ / 100-250 MHz $100 \pm 20 \Omega$ 250-500 MHz $100 \pm 25 \Omega$
Capacitance	Nominal 52 pF/m
Velocity Of Propagation	69% c

MHz	INSERTION LOSS (dB/100 m)	NEXT (dB/100 m)	ACR-N (dB/100 m)	PSNEXT (dB/100 m)	ACR-F (dB/100 m)	PSACR-F (dB/100 m)	RETURN LOSS (dB/100 m)
1	2.1	74.3	72.3	72.3	67.8	64.8	20.0
4	3.8	65.3	61.5	63.3	55.8	52.8	23.0
10	5.9	59.3	53.3	57.3	47.8	44.8	25.0
16	7.5	56.2	48.6	54.2	43.7	40.7	25.0
25	9.4	53.3	43.8	51.3	39.8	36.8	24.3
31.25	10.5	51.9	41.2	49.9	37.9	34.9	23.6
100	19.1	44.3	24.5	42.3	27.8	24.8	20.1
200	27.6	39.8	10.8	37.8	21.8	18.8	18.0
250	31.1	38.3	5.5	36.3	19.8	16.8	17.3
300	34.3	37.1	-	35.1	18.3	15.3	16.8
500	45.3	33.8	-	31.8	13.8	10.8	15.2