FIBER OPTIC TEKNOLOJI
KALİBRASYON LABORATUVARI

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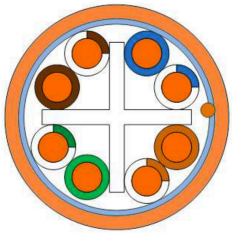

F/UTP CAT6A LSZH
4x2x23 AWG

Application

They are used in cabling in offices, management, R&D buildings with high terminal density, signal communication in information communication systems.

- 10 Base-T (IEEE 802.3)
- 100 Base-T (IEEE 802.3u)
- 1000Base-T (IEEE 802.3u)
- 10G Base-T Gigabit Ethernet
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- Token ring (IEEE 805.5)
- TP-PMD (ANSI X3T9.5)
- Power over HDBaseT (PoH)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- ATM 155

Construction

Conductor	Electrolytic solid copper conductor (Awg 23)
Insulation	Solid polyethylene
Stranding	Cores are twisted in pairs, and all the pairs are twisted together
Screen	Tinned copper drain wire;Aluminium/pet tape
Outer sheath	Lszh compound

Flame propagation	Smoke density	Corrosive gases	Halogen free
IEC 60332-1-2; VDE 0482-332-1-2; EN 60332-1-1	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60754-2 VDE 0482-267-2-3 EN 60754-2	IEC 60754-1 VDE 0482-267-2-1 EN 60754-1

Frequency	Attenuation	Near end crosstalk	Ps-Next	Return Loss	ACR-N	ACR-F (ELFEXT)	PS-ACR-F (PS-ELFEXT)
MHz	dB/100	dB	dB	dB/100	dB/100	dB/100	dB/100
4	3,6	90	80	23	70	90	90
10	5,6	95	90	26	60	85	90
16	7,1	95	90	28	55	95	90
31,25	10,5	90	85	25	46	85	85
62,5	14,6	90	90	25	37	80	80
100	18,3	90	90	23	29	75	70
250	29,5	90	75	20	10	70	65
400	36	75	75	23	-20	55	65
500	42	75	75	23	-23	55	55
600	46	85	75	23	-25	55	50

Conductor resistance	Resistance imbalance	Capacitance	Capacity imbalance	Velocity of propagation	Signal delay	Characteristic impedance	Test voltage
max.75 Ω/km	max %1	nom. 43 pF/m	max. 1600 pF/km	78%	max.45 ns/100m	100 ± 5 Ω @100MHz	1000V

Transfer Impedance	TCL	Coupling attenuation	Segregation class	Bending radius	Temperature range	Insulation resistance	Operating voltage
Grade 1	min. level 2	Type 1b	C	fixed min. 4 x D flexing min. 8 x D	fixed -20°C …+60°C flexing 0°C …+50°C	min 5000 MΩ x m	72V
at 1/10/30/100 Mhz	50 dB ≥	30 to 100 Mhz					
10<10<30<100 mΩ/m	55 dB	≥ 70					