FIBER OPTIC TEKNOLOJI
KALİBRASYON LABORATUVARI

OPTOKON Elektronik Limited Şirketi
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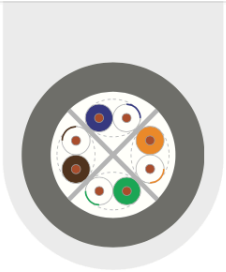
Bodrum, Muğla / Turkey



Patch Cord CAT 6 U/UTP LSZH Stranded 24 AWG E

RoHS Compliant CE CPR COMPLIANT

Application

10Base-T, 100Base-T, 1000Base-T, and Fieldbus systems. Applicable for Power over Ethernet (PoE) / PoE+

Cable Construction

- 24 AWG/7 Stranded Bare Copper
- PE Insulation
- Pair Seperator
- Ø 6.40 ± 0.20 mm LSZH

Technical Properties

Cable Weight	42 kg/km
Copper Weight	16 kg/km
Min. Bending radius during draw in	50 mm
Min. Bending radius permanently installed	25 mm
Max. Tensile Strength	90 N
Min. Crush Resistance	1000 N/10 cm
Min. Impact	10 Impacts
Installation Temperature	0°C ... +50°C
Operating Temperature	-20°C ... +70°C
Packing	**0,35 m ... 30 m**

Electrical Properties at 20 °C

Max. Conductor Resistance	< 9.5 Ω / km
Max. Resistance Unbalance	< 2%
Min. Insulation Resistance	5000 MΩ x m
Mutual Capacitance	< 60 pF / m
Capacitance Unbalance	1600 pF / km
Impedance at 100 MHz	100 ± 5 Ω
Velocity of Propagation	66 %
Delay Skew	< 45 ns / 100 m
Test Voltage	1000 V
Operating Voltage	125 V

Standards

EIA/TIA-568
ISO/IEC 11801 Class E
IEC 61156-5, EN 50173-1
EN 50288-6-1

Euro Class
E_{ca}

Flame Retardancy
EN 60332-1-2

Corrosive Gases Test
EN 50267-2-3

Smoke Density
EN 61034-2

Electrical Data (Nominal) @ 20 °C

Frequency (MHz)	Attenuation (dB / 100 m)	NEXT (dB)	PS - NEXT (dB)	Return Loss (dB)
4	5.0	67	64	23
10	7.0	61	58	25
100	23.0	46	43	20
200	33.0	41	38	17
250	37.0	40	37	17
300	42.0	35	33	16
400	50.0	32	31	15