FIBER OPTIC TEKNOLOJI
KALİBRASYON LABORATUVARI

OPTOKON Elektronik Limited Şirketi
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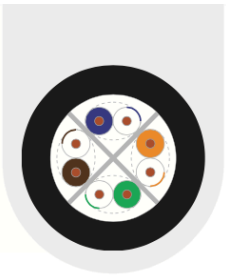

OE400 CAT 6 U/UTP PE F (4 x 2 x 0.56)

RoHS Compliant CE CPR COMPLIANT

Application

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

Cable Construction

- 0.56 mm Bare Copper
- PE Insulation
- Pair Seperator
- Ø 6.20 ± 0.20 mm PE

Technical Properties

Cable Weight	41 kg/km
Copper Weight	19.1 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	305 / 500 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
F_{ca}

Electrical Data (Nominal) @ 20 °C

Frequency (MHz)	Attenuation (dB / 100 m)	NEXT (dB)	PS - NEXT (dB)	ACR (dB / 100 m)	PS-ACR (dB / 100 m)	ACRF (dB / 100 m)	PS-ACRF (dB / 100 m)	Return Loss (dB)
1	2.0	83	80	85	82	83	80	25
4	3.6	73	70	70	67	70	67	31
10	6.0	73	70	65	62	60	57	30
100	19.5	55	52	40	37	35	32	25
200	28.5	50	47	25	22	30	27	22
250	32.0	45	42	25	22	22	19	22
300	33.0	40	37	15	12	20	17	22
400	39.0	40	37	7	4	20	17	20