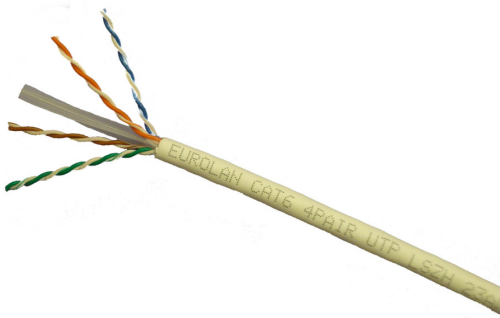


Product Specification

Eurolan Cat6 UTP LSZH Slimline



Ordering information

Part number	E-number	Description
19C-U6-25WT-B305	4938593	Eurolan Cat6 4pair UTP White 23awg LSZH Slimline, Box 305

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
IEEE 802.5 16 MB; ISDN; FDDI; ATM

Standards:

- EIA/TIA 568-B.2-1
- ISO/IEC 11801 2nd ed; IEC 61156-5
- EN 50173; EN 50288-6-1

Fire rating

- LSHF: IEC 60754-2; IEC 61034
- PVC: IEC 60332-1
- LSHF FR: IEC 60332-1; IEC 60754-2; IEC 61034

Construction:

- Conductor: Bare copper wire 23 AWG
- Insulation: Solid Polyethylene
- Insulation diameter (Nom.): 0,90mm
- Twisting: 2 cores to the pair
- Cable lay up: 1x4 pairs to the core
- Sheath: LSZH
- Outer diameter (Nom.): 5,30 mm
- Colour code: White/blue, White/green, White/brown, White/orange

Area of use

Used for horizontal cabling in premises and home lan networks.

Mechanical Properties

Bending radius	without load	≥40 mm
	with load	≥80 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

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Electrical Properties		
DC loop resistance		≤ 165 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 MΩxkm
Capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair to ground)	≤ 1500 pF/km
Return Loss	(100 MHz) (250 MHz)	20.1dB 8.47dB
Nominal velocity of propagation		approx. 66%
Propagation delay		≤ 427 ns/100 m
Delay skew		≤ 12 ns/100 m
Test voltage	(DC, 1 min) Core/Core and Core/Screen	1000 V

Electrical characteristics						
F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Return Loss (dB)
1.0	2.0	75.0	72.0	67.0	65.0	20.0
4.0	3.8	66.0	63.0	55.0	53.0	23.0
10.0	6.0	60.0	57.0	47.0	45.0	25.0
16.0	7.6	57.0	54.0	43.0	41.0	25.0
20.0	8.5	56.0	53.0	41.0	39.0	25.0
31.2	10.7	53.0	50.0	37.0	35.0	24.0
62.5	15.5	48.0	45.0	31.0	29.0	22.0
100.0	19.9	45.0	42.0	27.0	25.0	20.0
125.0	22.5	44.0	41.0	25.0	23.0	19.0
155.5	25.3	43.0	40.0	23.0	21.0	19.0
175.0	27.1	42.0	39.0	22.0	20.0	18.0
200.0	29.2	41.0	38.0	21.0	19.0	18.0
250.0	33.0	39.0	36.0	19.0	17.0	17.0