

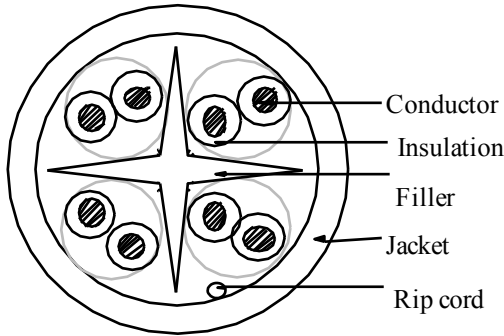
Data Sheet
Lan Cable

U/UTP Category 6 LSZH

EuroCalss CPR:
Cca S1a - d1 - a1

4 PAIRS X 24AWG CAT6 UTP CABLE Cca

Part No.: LK305U6C



Marking

TBD

Description

Application

Horizontal Wiring Lan structured cablin and Data Centre

Reference Standard

EIA/TIA568 & ISO/IEC 11801

Conductor

Solid Bare Copper

Conductor Dia. (±0.01mm)

0.51

Insulation

PE

Average Thickness(mm)

0.21

Insulation Dia.(±0.05mm)

0.92

Twisting Lay Length(mm)

30underneath

Cabling Lay Length(mm)

200underneath

Filler(CROSS)

PE

Jacket

LSZH Cca

Average Thickness(±0.05mm)

0.5

Min. Point Thickness(mm)

0.45

Outer Dia.(±0.2mm)

5.90

Rip Cord

YES

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/80m)	NEXT (dB/80m)	PSNEXT (dB/80m)	Return Loss >=dB
1	2.0	74.3	72.3	20
4	3.8	65.3	63.3	23
10	6.0	59.3	57.3	25
16	7.6	56.2	54.2	25
20	8.5	54.8	52.8	25
31.25	10.7	51.9	49.9	24
62.5	15.4	47.4	45.4	22
100	19.8	44.3	42.3	20
200	29	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/80m)	PSELFEXT (dB/80m)	Delay (ns/80m)
1	67.8	64.8	570.0
4	55.8	52.8	552.0
10	47.8	44.8	545.4
16	43.7	40.7	543.0
20	41.8	38.8	542.0
31.25	37.9	34.9	540.4
62.5	31.9	28.9	538.6
100	27.8	24.8	537.6
200	21.8	18.8	536.5
250	19.8	16.8	536.3

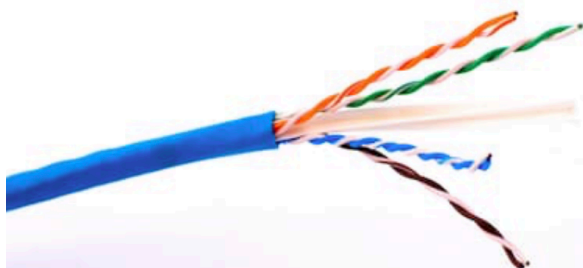
Impedance (ohms)	100 ± 15
Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/90m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5

Insulation colors are:

Blue,White/Blue
Orange,White/Orange
Green,White/Green
Brown,White/Brown

Jacket colors:

Per customer request



RELIABLE
PERFORMANCE!