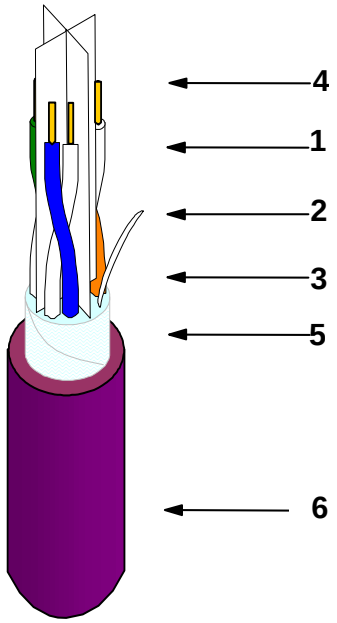
LEXI - NET

TECHNICAL DATA SHEET 01.05.2008

CABLE DESIGN
UTP Cat.6 LSZH VIOLET (Solid)
P/N 66504H

CABLE DIAGRAM



CONSTRUCTION

1 - CONDUCTOR
Annealed copper wire — diameter — 0.568±0.005 mm
Bare copper (purity 99,99%)

2 - INSULATION
Polyethylene — diameter — 1.1±0.02 mm

3 - PAIRS
Color code: blue / white, orange / white
green / white, brown /white

4 - CENTRAL ELEMENT
Cross section - Solid polyethylene

5 – Not use

6 – OUTER SHEATH
LSZH compound — thickness diameter — 0.47 mm Minimum
(Violet RAL4005) — External diameter — 6,20±0.3 mm

7 - MARKING
LEXI-net SupremeNet 250 66504H 4PAIRS 23WG UTP GIGABIT CABLE
VERIFIED TIA/EIA-568-B.2-1 CAT.6 250MHz ***metric*** **m (ww/yy)**
(exemple:for production in week n°26 year 2008 : ***WW/YY = 26/08***)

ELECTRICAL CHARACTERISTICS

- Mutual Capacitance(maximum)： 5.6 nf/100M
- Capacitance Unbalance(maximum)： 330 pF
- Velocity of Propagation： 60 %xC(1~250MHz)
- Delay Skew： 45 ns/100m

FREQUENCY (MHz)	ATTENUATION dB/100m MAX	NEXT dB min	PS-NEXT dB MIN	RL dB MIN	SRL dB MIN	ELFEXT dB MIN	PS-ELFEXT dB MIN	IMPEDANCE (OHMS)	PS ACR (dB/100m) MIN	ACR dB/100m MIN
1	2.0	74.3	72.3	20.0	23.0	67.8	64.8	100±15	70.3	72.3
4	3.8	65.3	63.3	23.0	23.0	55.8	52.8	100±15	59.5	61.5
10	6.0	59.3	57.3	25.0	23.0	47.8	44.8	100±15	51.3	53.3
16	7.6	56.2	54.3	25.0	23.0	43.7	40.7	100±15	46.6	48.6
20	8.5	54.8	52.8	25.0	23.0	41.8	38.8	100±15	44.3	46.3
31.25	10.7	51.9	49.9	23.6	21.1	37.9	34.9	100±15	39.2	41.2
62.5	15.4	47.4	45.4	21.5	18.0	31.9	28.9	100±15	30.0	32.0
100	19.8	44.3	42.3	20.1	16.0	27.8	24.8	100±15	22.5	24.5
200	29.0	39.8	37.8	18.0	14.0	21.8	18.8	100±15	8.8	10.8
250	32.8	38.3	36.3	17.3	13.0	19.8	16.8	100±15	3.5	5.5

ELECTRICAL STANDARD ACCORDING TO TIA/EIA 568-B.2-1