

# CAT 6 F/UTP LSZH HDBASE-T CERTIFIED



## CONSTRUCTION

CONDUCTOR	23(1)AWG, SOLID BARE COPPER
INSULATION	HIGH DENSITY POLYETHYLENE
NO OF PAIRS	4
SCREEN	POLYESTER/ALUMINIUM FOIL
JACKET	LOW SMOKE HALOGEN FREE
JACKET COLOUR	BLUE
OVERALL DIAMETER	7.5 +/- 0.2MM



## TECHNICAL

CONDUCTOR RESISTANCE	< 7.32 Ω/100M @ 20°C
MAX DC RESISTANCE UNBALANCED	< 5% @ 20°C
MAX CAPACITANCE UNBALANCED	< 330 pF/100M @ 20°C (PAIR-TO-PAIR GROUND)
CHARACTERISTIC IMPEDANCE (1-500MHz)	100 +/- 15Ω
MUTUAL CAPACITANCE	< 5.6 nF/100M
MAX DELAY SKEW	< 45 nS/100M
TEMPERATURE RATING	-15 TO +75°C

## PRINTING

'FSC C6FTH01 – truHD – CAT 6 F/UTP 23AWG 4PAIR LSZH Tested to 500MHz ANSI/TIA-568-C.2 CE RoHS AREA A B C D E F G DEVICE 0 1 2 3 4 5 6 7 8 9 METER MARK BATCH NO'

FREQUENCY (MHz)	ATTENUATION (dB/100m)	RETURN LOSS (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (nS/100m)	ACR (dB)
1	2.03	20.00	74.30	72.30	67.80	64.80	570.00	72.70
4	3.87	23.01	65.27	63.27	55.76	52.76	552.00	61.40
10	5.95	25.00	59.30	57.30	47.80	44.80	545.38	53.35
16	7.55	25.00	56.24	54.24	43.72	40.72	543.00	48.69
20	8.47	25.00	54.78	52.78	41.78	38.78	542.05	46.31
25	9.51	24.32	53.33	51.33	39.84	36.84	541.20	53.82
31.25	10.67	23.64	51.88	49.88	37.90	34.90	540.44	41.21
62.5	15.38	21.54	47.36	45.36	31.88	28.88	538.55	31.98
100	19.80	20.11	44.30	51.30	27.80	24.80	537.60	24.50
200	28.98	18.00	39.78	37.78	21.78	18.78	536.55	10.80
250	32.85	19.32	38.33	36.33	19.84	16.84	536.28	5.48
300	36.41	16.80	37.10	35.10	18.45	15.45	536.10	
500	45.30	15.20	33.80	31.80	13.80	10.80	535.60	