

Mini6™ Category 6 LSOH UTP Solid Cable



Standards :

- . UL/CSA Listed CM, CMR , CMP , LSOH
- . UL and ETL verified to ANSI/TIA/EIA-568-B Category 5e
- . EN50167
- . ISO/IEC-11801
- . NEMA WC 63.1

Application :

- . ANSI X3T9.5 TP-PMD (FDDI)
- . Proven support for Gigabit Ethernet/1000BASE-T/IEEE 802.3ab
- . ATM PMD 155 Mbps
- . IEEE 802.3 Fast Ethernet
 - 10 Base-T
 - 100 Base-T4
 - 100 Base-TX
- . IEEE 802.5 4/16 Mbps Token Ring
- . IEEE 802.12 100 Base-VG

Part Numbers:

LSOH: UTP4M6SB-LS (305Mtr/1000ft box)
Box size: 420x420x215mm
Weight 13.95Kg



Construction

Type	No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation	
			mm	Inch	Mm	inch			
Horizontal Cable	LSOH	4	23AWG (0.575mm)	0.25	0.0098	6.3	0.248	Grey LSOH	HDPE

*Grey cable = Pantone #400C

Electrical Properties :

ISO/IEC 11801, TIA/EIA 568-A

Impedance : 100±15%
Max. d.c. resistance : 14.8 •/100m (26AWG)
Max. resistance unbalance : 3% (5% for TIA/EIA)
Min. Propagation Velocity : 69%
Max. Mutual capacitance : 5.6nF/100m
Max. capacitance unbalance : 3400/3300 pF/Km (ISO/IEC, TIA/EIA)

Max. d.c. resistance : 9.38•/100m (24AWG)
Max. d.c. loop resistance : 19.2•/100m
Min. d.c. insulation resistance : 150M•/Km
Max. Propagation delay skew : 30 ns/100m

Frequency (MHz)	Attenuation Max. dB/100m	Pr-Pr NEXT Min. dB>=100m	Power Sum NEXT Min.dB dB>=100m	ACR Min . dB	Pr-Pr FEXT Min . dB>=100m	Power Sum ELFEXT Min.dB dB/100m
.772	1.8	76.0	74.0	74.2	70.0	67.0
1	2.0	74.3	72.3	72.3	67.8	64.8
4	3.8	65.3	63.3	61.5	55.7	52.7
8	5.4	60.8	58.8	55.4	49.7	46.7
10	6.0	59.3	57.3	53.3	47.8	44.8
16	7.7	56.3	54.3	48.6	43.7	40.7
20	8.6	54.8	52.8	46.2	41.7	38.7
25	9.6	53.3	51.3	43.7	39.8	36.8
31.25	10.8	51.9	49.9	41.1	37.9	34.9
62.5	15.7	47.4	45.4	31.7	31.8	28.8
100	20.2	44.3	42.3	24.1	27.8	24.8
200	29.8	39.8	37.8	10.0	21.7	18.7
250	33.8	38.3	36.3	4.6	19.8	16.8