

F-UTP Solid Cat5e PVC & LSOH



STANDARDS:

- . UL/CSA Listed CM, CMR , CMP , LSOH
- . UL and ETL verified to ANSI/TIA/EIA-568-B Category 5e
- . 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:

- PVC: FTPW5SB (305Mtr/1000ft box)
- LSOH: FTP4W5SB-LS
- Box size: 370x370x180mm

CONSTRUCTION:

Type		No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
				mm	Inch	Mm	inch		
Horizontal Cable	PVC	4	24AWG	0.25	0.0098	6.2	0.244	Grey PVC	HDPE
	LSOH	4		0.25	0.0098	6.2	0.244	Grey LSOH	FRHDPE

ELECTRICAL PROPERTIES

ISO/IEC 11801, TIA/EIA 568-A

- | | |
|--|--|
| Impedance: 100Ω ±15% | Max. transfer impedance: 50mΩ/m@10MHz; : 100mΩ/m@10MHz |
| Max. d.c. resistance: 14.8 Ω /100m (26AWG) | Max. d.c. resistance: 9.38Ω /100m (24AWG) |
| Max. resistance unbalance: 3% (5% for TIA/EIA) | Max. d.c. loop resistance: 19.2Ω /100m |
| Min. Propagation Velocity: 65% | Min. d.c. insulation resistance: 150MΩ /Km |
| Max. Mutual capacitance: 5.6nF/100m | Max. Propagation delay skew: 30 ns/100m |
| Max. capacitance unbalance: 3400/3300 pF/Km (ISO/IEC, TIA/EIA) | |

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	67.0	64.0	65.2	66.0	63.0
1	2.0	65.3	62.3	63.3	63.8	60.8
4	4.1	56.3	53.3	52.2	51.7	48.7
8	5.8	51.8	48.8	46.0	45.7	42.7
10	6.5	50.3	47.3	43.8	43.8	40.8
16	8.2	47.3	44.3	39.1	39.7	36.7
20	9.3	45.8	42.8	36.5	37.7	34.7
25	10.4	44.3	41.3	33.9	35.8	32.8
31.25	11.7	42.9	39.9	31.2	33.9	30.9
62.5	17.0	38.4	35.4	21.4	27.8	24.8
100	22.0	35.3	32.3	13.3	23.8	20.8