

FTP Solid CAT5E



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

- . 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 (305Mtr/1000ft box)
- Box size: 370x370x180mm

Construction

Type		No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
				mm	Inch	Mm	inch		
Horizontal Cable	CM	4	24AWG (7/020mm)	0.25	0.0098	6.2	0.244	Grey PVC	HDPE
	LSOH	4		0.25	0.0098	6.2	0.244	Grey LSOH	FRHDPE

*Grey cable = Pantone #400C

Electrical Properties :

ISO/IEC 11801, TIA/EIA 568-A

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

- Max. d.c. resistance : 9.38Ω /100m (24AWG)
- Max. d.c. loop resistance : 19.2Ω /100m
- Min. d.c. insulation resistance : 150MΩ /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	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