

Category 5 FTP Cable Enhanced (Solid)

Standards :

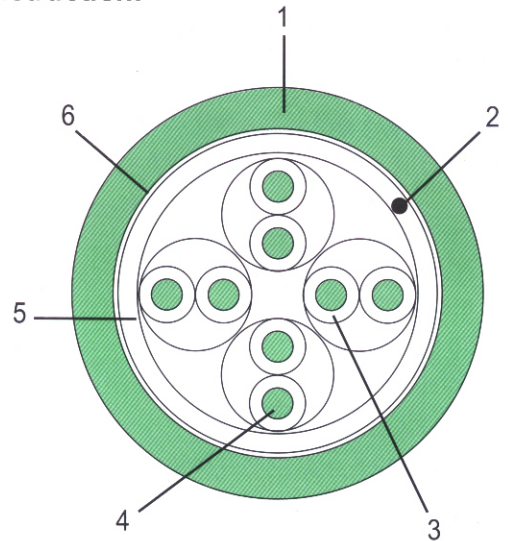
- UL/CSA Listed CM, CMR
- ANSI/TIA/EIA 568-B Category 5
- ISO/IEC-11801
- NEMA WC 63.1

Application :

- ANSI X3T9.5 TP-PMD (FDDI)
- ATM PMD 155 Mbps
- IEEE 802.3 Fast Ethernet
10 Base-T
100 Base-T4
100 Base-X
- IEEE 802.5
4/16 Mbps Token Ring
- IEEE 802.12
100 Base-VG
- Gigabit Ethernet

Construction:

- 1.Pvc jacket
- 2.drain wire
- 3.HDPE insu.
- 4.bare cu cond.
- 5.Mylar tape
- 6.AL/PET tape



Construction

Type		No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
				mm	Inch	Mm	inch		
Horizontal Cable	CM	4	24AWG (0.51 mm)	0.25	0.0098	6.20	0.244	PVC	HDPE
	CMR	4		0.25	0.0098	6.20	0.244	FRPVC	FRHDPE
	LSZH	4		0.25	0.0098	6.20	0.244	LSZH	HDPE

Electrical Properties :

ISO/IEC 11801, TIA/EIA 568-B

Impedance	: 100 Ω ± 15%
Max. d.c. resistance	: 14.8 Ω/100m (26AWG)
Max. resistance unbalance	: 3% (5% for TIA/EIA)
Min. Propagation Velocity	: 0.65C
Max. Mutual capacitance	: 5.6nF/100m
Max. capacitance unbalance	: 3400/3300 pF/Km (ISO/IEC, TIA/EIA)
Max. Transfer Impedance	: 50 m Ω/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 ≥100m	ACR Min. dB	Pr - Pr FEXT Min.dB ≥100m	Power Sum ELFEXT Min.dB / 100m
0.772	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