

ENHANCED CATEGORY 5 PERFORMANCE CHARACTERISTICS

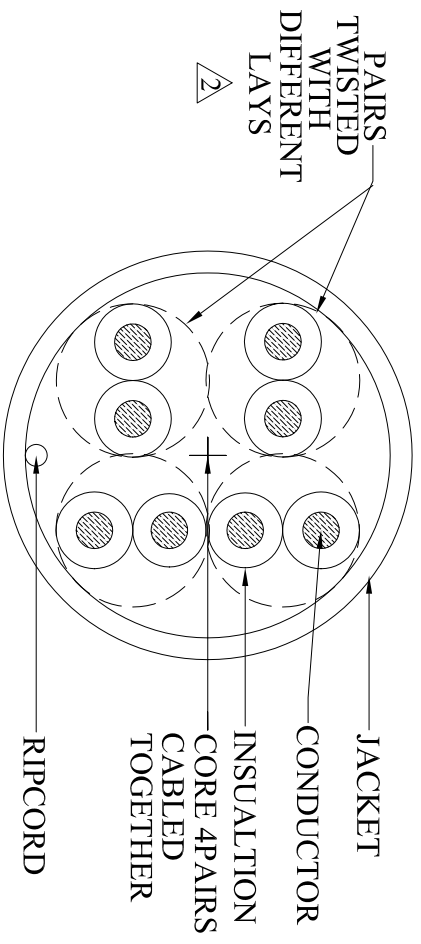
FREQUENCY (MHZ)	ATTENUATION dB/100m MAX	NEXT DB MIN	PS-NEXT DB MIN	RL DB MIN	ELFEXT DB MIN	PS-ELFEXT DB MIN	IMPEDANCE (OHMS)	WP-ACR (dB/100m) MIN	PS-ACR (dB/100m) MIN
1	2.0	65.3	62.3	20.0	63.8	60.7	100±15	63.3	60.3
4	4.1	56.3	53.3	23.0	51.7	48.7	100±15	52.2	49.2
10	6.5	50.3	47.3	25.0	43.8	40.7	100±15	43.8	40.8
16	8.2	47.3	44.2	25.0	39.7	36.7	100±15	39.1	36
20	9.3	45.8	42.8	25.0	37.7	34.7	100±15	36.5	33.5
25	10.4	44.3	41.3	24.3	35.8	32.8	100±15	33.9	30.9
31.25	11.7	42.9	39.9	23.6	33.9	30.8	100±15	31.2	28.2
62.5	17	38.4	35.4	21.5	27.8	24.8	100±15	21.4	18.4
100	22	35.3	32.3	20.1	23.8	20.7	100±15	13.3	10.3

FINISHED CABLE DATA

CONDUCTORS		WIRE AWG	24 AWG SOLID (0.515mm)
CONDUCTORS	MATERIAL	COPPER	
	PLATING	BARE COPPER	
INSULATION	MATERIAL	POLYOLEFIN	
	THICKNESS	0.96(mm)±0.02mm	
	MATERIAL	PVC	
JACKET	THICKNESS	5.15±0.2mm	
	COLOR	EXT BLACK	

ELECTRICAL:

- Mutual Capacitance: 14pf/ft. nominal
- Capacitance Unbalance: 330pf/ft maximum
- Velocity of Propagation: 70%



1 PRINTING SHALL BE FROM 305M TO 001M

2 INSULATION COLORS SHALL BE BLUE, ORANGE, GREEN, BROWN AND WHITE

COLOR CODE _____

PAIR COLOR CODE

1	WHT/BLU/BLU
2	WHT/ORG/ORG
3	WHT/GRN/GRN
4	WHT/BRN/BRN

LEGEND TO BE REPEATED EVERY 1M

Excel 100-090 ENHANCED CATEGORY 5 UTP CABLE ccc M

CUSTOMER DRAWING

MATERIAL		FINISHED		DIMENSION	
DWN	Jeff Chen	CHK	Ken Yuan	APVD	Jim Fan
ITEM	EXCEL 100-090 CAT.5e 24AWG 4PAIR UTP	SCALE	N/A	SIZE	A4
DWGNO	CBL-EXCEL 100-090.DW	SHEET	1/1	REV	1.0