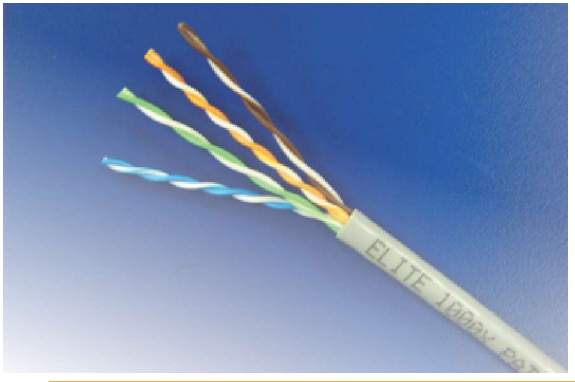


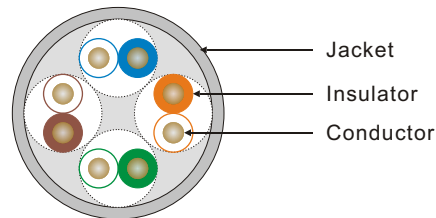
Category 6

250 MHz UTP 六類電纜 (Patch)

LEAD FREE



The general difference between category 5e and category 6 is in the transmission performance, and extension of the available bandwidth from 100MHz for category 5e to 250MHz for category 6, this includes better insertion loss, near end crosstalk (NEXT), return loss, and equal level far end crosstalk (ELFEXT). These improvements provide a higher signal-to-noise ratio, allowing higher reliability for current applications and higher data rates for future applications.



Application

- >> 1000 Base T (IEEE 802.3 ab)
- >> ATM 622 or higher
- >> Broadband Video (77 Channels 550 Mhz)

Industry Standard

- >> UL/CSA Listed CM, CMR
- >> UL, ETL and 3P Verified to ANSI /TIA/EIA 568.B-2-1 Category 6
- >> ISO/IEC-11801
- >> NEMA WC 66
- >> PREN 50288-6-2

Product Description

- >> Conductor: 24 AWG Bare Stranded Copper
- >> Insulation: HDPE, FRPE
- >> Jacket: FRPVC

Product Electrical Characteristics

- >> Impedance : 100+/- 15 ohm
- >> Mutual Capacitance, Max.nf/1000ft : 17.1
- >> DC Resistance, Max.Ohms/1000ft : 28.6
- >> DC Resistance Unbalance of a pair : 5% max.
- >> Capacitance Unbalance (Pair to Ground) : 330pf/ 100m max.
- >> Propagation Delay Skew : 45ns/ 100m
- >> Normal Velocity of Propagation : 62% at 100 MHz
- >> Attenuation to Crosstalk Ratio : At 100 MHz, typical 22.5 dB
At 200 MHz, typical 13.4 dB
At 250 MHz, typical 7.0 dB

Frequency MHz	ATT MAX dB/100m	NEXT MIN dB	ACR MIN dB	PS. NEXT MIN dB	PS. ACR MIN dB	ELFEXT MIN dB/100m	PS. ELFEXT MIN dB/100m	RL MIN dB
1	2.4	74.3	71.9	72.3	69.9	67.8	64.8	20.0
4	4.6	66.3	60.7	63.3	58.7	55.7	52.7	23.0
8	6.4	60.8	54.4	58.8	52.4	49.7	46.7	24.5
10	7.2	59.3	52.1	57.3	50.1	47.8	44.8	25.0
16	9.1	56.3	47.2	54.3	45.2	43.7	40.7	25.0
20	10.2	54.8	44.6	52.8	42.6	41.7	38.7	25.0
25	11.4	53.3	41.9	51.3	39.9	39.8	36.8	24.2
31.25	12.8	51.9	39.1	49.9	37.1	37.9	34.9	23.3
62.25	18.5	47.4	28.9	45.1	26.9	31.8	28.8	20.7
100	23.8	44.3	20.5	42.3	18.5	27.8	24.8	19.0
155	30.1	41.5	11.4	39.5	9.4	23.9	20.9	17.4
200	34.8	39.8	5.0	37.8	3.0	21.7	18.7	16.4
250	39.4	38.3	0	36.3	NA	19.8	16.8	15.6

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