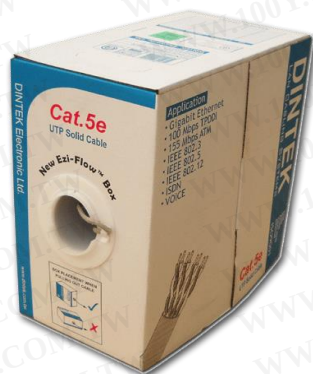
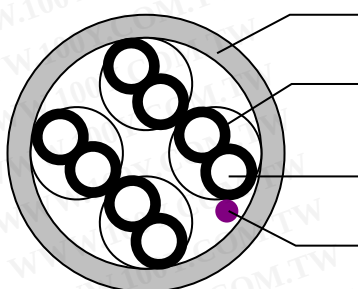


Enhanced Cat.5e 四對無遮蔽對絞線(4P UTP Cable)



Jacket

Insulation

Conductor

Cotton Rip

產品描述

- 以一條4對單芯(SOLID)24AWG銅絞線為單位所構成
- 而銅導體外具有高密度聚乙烯(HDPE)材質彩色塑料編碼絕緣
- 通過UL或CSA PCC FT4/ETL, ISO/IEC-11801及EN50173之審驗標準
- 電氣特性、傳輸規格符合16Mbps Token Ring, 10Base-T, 100Base-T, 155Mbps及622Mbps ATM, Gigabit-Ethernet及1.2Gbps ATM等網路傳輸標準之要求。

符合標準

- UL Listed Type CMX, CM, CMR, CMG
- ISO/IEC11801, ANSI/TIA-568-B.2, CENELEC EN50174-1測試規範要求
- 通過UL, ETL認證;

應用

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps ATM
- 1000Mbps Gigabit Ethernet

- 550MHz Broadband Vedio

機械規格

- 芯線絕緣：HDPE
- 電纜外被：PVC, LSOH, FR-PVC
- 電纜外被顏色：
- 電纜外徑 $5.1\text{mm} \pm 0.2\text{mm}$ ；芯線外徑 $0.92\text{mm} \pm 0.02\text{mm}$ ；銅徑 $0.5\text{mm} \pm 0.007\text{mm}$

電氣特性

- Impedance阻抗：100 Ohm $\pm 15\%$
- Conductor Resistance (Max.)最大導體電阻：9.38 Ohm/100m at 20°C <24AWG>
- DC. Resistance Unbalance (Max.)：5% MAX.
- Prop. Velocity (min.)最小傳輸延遲：0.65C
- Prop. Delay Skew (Max.) 最大傳輸延遲誤差：48 ns/100m (0.772-100MHz)
- Mutual Capacitance最大互耦電容：5.6 nF/100m
- Pair-to Ground Capacitance unbalance (Max.) 對地不平衡電容：330 pF/100m Max,
- Dielectric Strength高壓測試: AC 1.5kv / 2sec.
- DC Insulation Resistance(Max.) 最大直流絕緣電阻：1500M ohm/km
- Spark Test火花測試: 2.5 KV
- Insulation Shringback絕緣收縮測試: 1500m/m, 121°C $\pm 1^\circ\text{C}$ x 1hr $\leq$ 9.5m/m
- Cold Bend Test冷凍彎曲測試: -20°C x 4hrs No Crack.

傳輸特性

Frequency (MHz)	RL dB	Atten. dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
0.772	-	1.8	67.0	64.0	-	-
1	20.0	2.0	65.3	62.3	63.8	60.8
4	23.0	4.0	56.3	53.3	51.7	48.7
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25.0	6.5	50.3	47.3	43.8	40.8
16	25.0	8.2	47.3	44.3	39.7	36.7
20	25.0	9.3	45.8	42.8	37.7	34.7
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100	20.1	22.0	35.3	32.3	23.8	20.8