

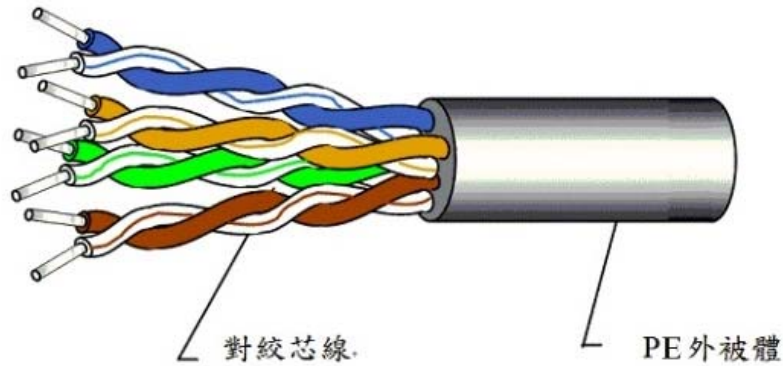
# C5e UTP Lan Cable (305米)

室外線

產品編號 : 53030

產品品名 : CBLC-EU1BKPEZ-H9

台製 大同 C5e UTP 網路單芯線 24AWG 305M 箱線  
無氧銅 室外線 外被 黑色



## Description

Purpose: Network communication cable for high frequency data network transmission

Structure: bare copper conductor, PE outer sheath

Standard: ANSI/TIA-568-C.2 standard CAT.5E Level

## Specifications

Characteristic :

|                              |   |
|------------------------------|---|
| Impedance (1 – 100 MHz)      | 100±15Ω   |
| Conductor Resistance (20°C)  | 9.38Ω Per 100 m (328 ft)                          |
| Conductor Unbalance (20°C)   | Max. 5%   |
| Insulation Resistance (20°C) | 1500MΩ-Km DC500V (Between wire and ground)        |
| Dielectric Strength          | DC 500V / 1min. or AC 350 V / 1min.               |
| Mutual Capacitance (1KHz)    | Max. 5.6 nF Per 100M (328 ft)                     |
| Capacitance Unbalance (1KHz) | 330 pF Per 100M (328 ft)(Between wire and ground) |
| Delay Skew                   | Max. 45 ns Per 100M (328 ft)                      |

| Frequency | Insertion Loss (dB/100m) Max. | Frequency | Insertion Loss (dB/100m) Max. |
|-----------|-------------------------------|-----------|-------------------------------|
| 0.772MHz  | 1.8                           | 20 MHz    | 9.3                           |
| 1 MHz     | 2.0                           | 25 MHz    | 10.4                          |
| 4 MHz     | 4.1                           | 31.25 MHz | 11.7                          |
| 8 MHz     | 5.8                           | 62.5 MHz  | 17.0                          |
| 10 MHz    | 6.5                           | 100 MHz   | 22.0                          |
| 16 MHz    | 8.2                           | —         | —                             |

|                   |              |                       |
|-------------------|--------------|-----------------------|
| Propagation Delay | 0.772MHz     | —                     |
|                   | 1≤f < 100MHz | 534 + 36/√f (f : MHz) |

| Frequency | NEXT (dB/100m) Min. | PSNEXT (dB/100m) Min. | ELFXT (dB/100m) Min. | PSELFXT (dB/100m) Min. |
|-----------|---------------------|-----------------------|----------------------|------------------------|
| 0.772MHz  | 67.0                | 64.0                  | —                    | —                      |
| 1 MHz     | 65.3                | 62.3                  | 63.8                 | 60.8                   |
| 4 MHz     | 56.3                | 53.3                  | 51.7                 | 48.7                   |
| 8 MHz     | 51.8                | 48.8                  | 45.7                 | 42.7                   |
| 10 MHz    | 50.3                | 47.3                  | 43.8                 | 40.8                   |
| 16 MHz    | 47.3                | 44.4                  | 39.7                 | 36.7                   |
| 20 MHz    | 45.8                | 42.8                  | 37.7                 | 34.7                   |
| 25 MHz    | 44.3                | 41.3                  | 35.8                 | 32.8                   |
| 31.25 MHz | 42.9                | 39.9                  | 33.9                 | 30.9                   |
| 62.5 MHz  | 36.4                | 35.4                  | 27.8                 | 24.6                   |
| 100 MHz   | 35.3                | 32.3                  | 23.8                 | 20.8                   |

|                       |               |                     |
|-----------------------|---------------|---------------------|
| Return Loss (dB/100m) | 1≤f < 10MHz   | RL≥20+5.0 log(f)    |
|                       | 10≤f < 20MHz  | RL≥25               |
|                       | 20≤f < 100MHz | RL≥25-7.0 log(f/20) |