

# MSL ENTERPRISES CORP.

## 冠志電子制品厂

| SECTION<br>線 區 | ITEM<br>項 目                        | MATE.<br>材 料  | THICK.<br>厚 度 | DIA.<br>線 徑 | NOTE<br>備 考                     | DOSAGE<br>用量(kg/km) |
|----------------|------------------------------------|---|---------------|-------------|---------------------------------|---------------------|
| A              | CONDUCTOR 導體                       | 鍍錫銅絞線   |               | 0.38        | 7/0.127TS ±0.008mm              |                     |
| 28AWG          | INSULATION 絕緣                      | HD-PE   | 0.21          | 0.80        | ±0.05mm COLOR 顏色:1.白 2.綠        |                     |
| *1P            | EXTRUSION 押出方式: EXTRUDE 擠壓式        |   |               |             | tmax 0.24mm tmin 0.19mm         |                     |
|                | TWIST 對絞                           |   |               | 1.60        | S=65 ±3mm                       |                     |
| B              | CONDUCTOR 導體                       | 鍍錫銅絞線   |               | 0.61        | 7/0.20TS ±0.008mm               |                     |
| 24AWG          | INSULATION 絕緣                      | SR-PVC  | 0.22          | 1.05        | ±0.05mm COLOR 顏色:3.黑 4.紅        |                     |
| *2C            | EXTRUSION 押出方式: EXTRUDE 擠壓式        |   |               |             | tmax 0.24mm tmin 0.20mm         |                     |
|                | CABLING 成纜                         |   |               | 2.35        | S=55 ±5mm                       |                     |
|                | WRAP 繞包                            | AL/MYLAR 鋁箔麥拉帶  |               | 2.40        | COVERAGE:100%                   |                     |
| 26AWG          | DRAIN 地線                           | 鍍錫絞銅  |               | 0.48        | 7/0.16TS ±0.008mm               |                     |
|                | BRAID 編織                           | 鍍錫銅   |               | 2.80        | 16/4/0.10TS ±0.008mm 1"=7NUMBER |                     |
|                | JACKET 被覆                          | PVC   | 0.85          | 4.50        | ±0.15mm COLOR 顏色:依工單            |                     |
|                | EXTRUSION 押出方式: IN THE MIDDLE 半擠管式 |   |               |             | tmax 0.93mm tmin 0.78mm         |                     |
| ⚠              | MARKING 印字                         | HI-SPEED USB Revision 2.0 SHIELDED 28AWG/2C+24AWG/2C (UL) E305668 |               |             |                                 |                     |
|                |                                    | TYPE CM 75°C CSA 204790 TYPE CM 75°C MSL                          |               |             |                                 |                     |

### ELECTRICAL CHARACTERISTICS 電氣特性

CONDUCTOR RESISTANCE AT 20°C 導體電阻: Conductor 導體A: 237.25 /Km max Conductor 導體B: 85.96 /Km max

### MECHANICAL CHARACTERISTICS 物理特性

Before Tensile Strength 老化前抗張強度(Mpa): Insulation 絕緣(SR-PVC): 20.7MPa Jacket 被覆: 10.3MPa

Before Aging Elongation (%) 老化前延伸率: Insulation 絕緣(SR-PVC): 100% Jacket 被覆: 100%

Aging Condition (°C) 老化條件: Insulation 絕緣(SR-PVC): 113 ±1°C\*7days Jacket 被覆: 113 ±1°C\*10days

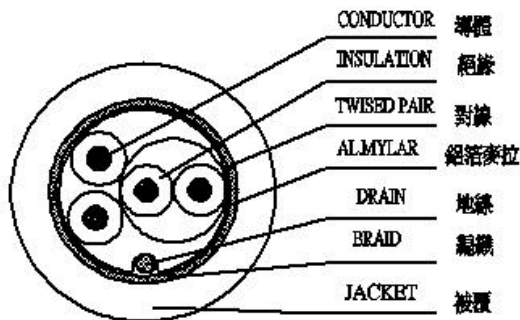
After Tensile Strength 老化后抗張強度(Mpa): Insulation 絕緣(SR-PVC): 70% Jacket 被覆: 70%

After Aging Elongation (%) 老化后延伸率: Insulation 絕緣(SR-PVC): 70% Jacket 被覆: 65%

Cold Bend (-20°C ±x4hrs) 冷彎試驗: Insulation 絕緣(SR-PVC): No Crack Jacket 被覆: No Crack

Heat Shock (121°C ±x1hrs) 熱衝擊試驗: Insulation 絕緣(SR-PVC): No Crack Jacket 被覆: No Crack

SECTION DRAWING: 線材截面圖



⚠ REV.1. CSA 認證號變更

wang 2009.3.25

SPECIFICATION 線材規格

ERP 料號

Product No. 工程圖號:

Date 日期:

USB 2.0 28AWG/1P+24AWG/2C+AEB

H5KH03

EUAB2801P2402C-015

2006-NOV-03

Drawing 設計: Lily

Check 審核: KITTY

APPOVED 批准: