

# 04 PVC 電線電纜

## 4-1 600V PVC 電線

### 構造 Construction/



### 額定 Rating/

600V PVC 絕緣電線  
600V PVC insulated wire

### 絕緣顏色 Color of insulation/

黑、白、紅、綠、黃、藍 ... 等。  
Black、White、Red、Green、Yellow、Blue...etc.

### 規格 Standard/

CNS 679

### 用途 Application/

適用於一般室內佈線、電器佈線、控制電路 ... 等。  
It is Suitable for general indoor wiring, electrical appliance wiring, control circuit...etc.

| 導體 Conductor                         |   |   | 絕緣厚度<br>Thickness of Insulation |                |                                     | 標準完成<br>外徑<br>Overall<br>Diameter<br>(約)<br>(approx.) | 最大導<br>體電阻<br>Conductor<br>Resistance<br>Max.<br>(20°C) | 交流<br>電壓<br>Test<br>Voltage |
|--------------------------------------|---|---|---------------------------------|----------------|-------------------------------------|---|---|-----------------------------|
| 標稱<br>線徑<br>Nominal wire<br>diameter | 構成<br>Construction<br>單線數 / 單線徑<br>Number/<br>Diameter of<br>wire | 外徑<br>Outer<br>Diameter<br>(約)<br>(approx.) | 最小值<br>Min.                     | 平均值<br>Average | 標準值<br>Standard<br>(約)<br>(approx.) |   |   |                             |
| mm                                   | No./mm  | mm  | mm                              | mm             | mm                                  | mm  | Ω/km  | kV/min                      |
| 1.0                                  | 1/1.0±0.03  | 1.00  | 0.64↑                           | 0.72↑          | 0.80                                | 2.60  | 22.8  | 1.5/1                       |
| 1.2                                  | 1/1.2±0.03  | 1.20  | 0.64↑                           | 0.72↑          | 0.80                                | 2.80  | 15.8  | 1.5/1                       |
| 1.6                                  | 1/1.6±0.03  | 1.60  | 0.64↑                           | 0.72↑          | 0.80                                | 3.20  | 8.92  | 1.5/1                       |
| 2.0                                  | 1/2.0±0.03  | 2.00  | 0.64↑                           | 0.72↑          | 0.80                                | 3.60  | 5.65  | 1.5/1                       |
| 2.6                                  | 1/2.6±0.03  | 2.60  | 0.80↑                           | 0.90↑          | 1.00                                | 4.60  | 3.35  | 1.5/1                       |
| 3.2                                  | 1/3.2±0.04  | 3.20  | 0.96↑                           | 1.08↑          | 1.20                                | 5.60  | 2.21  | 1.5/1                       |
| 1.25                                 | 7/0.45±0.02   | 1.35  | 0.64↑                           | 0.72↑          | 0.80                                | 2.95  | 16.5  | 1.5/1                       |
| 2                                    | 7/0.6±0.02  | 1.80  | 0.64↑                           | 0.72↑          | 0.80                                | 3.40  | 9.24  | 1.5/1                       |
| 3.5                                  | 7/0.8±0.02  | 2.40  | 0.64↑                           | 0.72↑          | 0.80                                | 4.00  | 5.20  | 1.5/1                       |
| 5.5                                  | 7/1.0±0.03  | 3.00  | 0.80↑                           | 0.90↑          | 1.00                                | 5.00  | 3.33  | 1.5/1                       |
| 8                                    | 7/1.2±0.03  | 3.60  | 0.96↑                           | 1.08↑          | 1.20                                | 6.00  | 2.31  | 1.5/1                       |
| 14                                   | 7/1.6±0.03  | 4.80  | 1.12↑                           | 1.26↑          | 1.40                                | 7.60  | 1.30  | 2.0/1                       |
| 22                                   | 7/2.0±0.03  | 6.00  | 1.28↑                           | 1.44↑          | 1.60                                | 9.20  | 0.824   | 2.0/1                       |
| 30                                   | 7/2.3±0.03  | 6.90  | 1.28↑                           | 1.44↑          | 1.60                                | 10.1  | 0.623   | 2.0/1                       |
| 38                                   | 7/2.6±0.03  | 7.80  | 1.44↑                           | 1.62↑          | 1.80                                | 11.4  | 0.487   | 2.5/1                       |
| 50                                   | 19/1.8±0.03   | 9.00  | 1.44↑                           | 1.62↑          | 1.80                                | 12.6  | 0.378   | 2.5/1                       |
| 60                                   | 19/2.0±0.03   | 10.0  | 1.44↑                           | 1.62↑          | 1.80                                | 13.6  | 0.303   | 2.5/1                       |
| 80                                   | 19/2.3±0.03   | 11.5  | 1.60↑                           | 1.80↑          | 2.00                                | 15.5  | 0.229   | 2.5/1                       |
| 100                                  | 19/2.6±0.03   | 13.0  | 1.60↑                           | 1.80↑          | 2.00                                | 17.0  | 0.180   | 2.5/1                       |
| 125                                  | 19/2.9±0.03   | 14.5  | 1.76↑                           | 1.98↑          | 2.20                                | 18.9  | 0.144   | 3.0/1                       |
| 150                                  | 37/2.3±0.03   | 16.1  | 1.76↑                           | 1.98↑          | 2.20                                | 20.5  | 0.118   | 3.0/1                       |
| 200                                  | 37/2.6±0.03   | 18.2  | 1.92↑                           | 2.16↑          | 2.40                                | 23.0  | 0.0922  | 3.0/1                       |
| 250                                  | 61/2.3±0.03   | 20.7  | 1.92↑                           | 2.16↑          | 2.40                                | 25.5  | 0.0722  | 3.0/1                       |
| 325                                  | 61/2.6±0.03   | 23.4  | 2.08↑                           | 2.34↑          | 2.60                                | 28.6  | 0.0565  | 3.5/1                       |
| 400                                  | 61/2.9±0.03   | 26.1  | 2.08↑                           | 2.34↑          | 2.60                                | 31.3  | 0.0454  | 3.5/1                       |
| 500                                  | 61/3.2±0.04   | 28.8  | 2.24↑                           | 2.52↑          | 2.80                                | 34.4  | 0.0373  | 3.5/1                       |