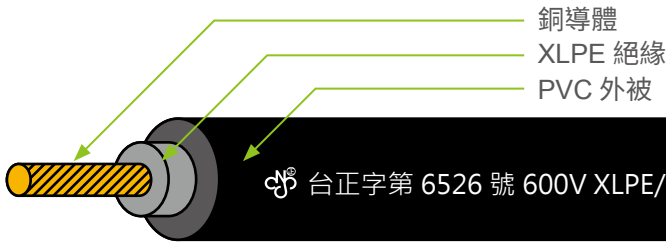


2-1 600V XLPE/PVC 電力電纜

構造 Construction/



台正字第 6526 號 600V XLPE/PVC 100mm² × 1C TA TUN 年份

額定 Rating/

600V XLPE/PVC 電纜
600V XLPE/PVC Cable

規格 Standard/

CNS 2655

絕緣顏色 Color of insulation/

自然色
Natural color

用途 Application/

適用於輸配電系統用，以交連聚乙烯 (XLPE) 為絕緣體，聚氯乙烯 (PVC) 為被覆體之電力電纜，正常使用時導體連續使用溫度可達 90°C，緊急時可達 130°C (連續 12 個月內不得超過 3 次，平均每次不超過 36 小時)，短路時可達 250°C (最大短路時間 5 秒)。

It is suitable for power transmission and distribution systems. It uses XLPE as the insulator and polyvinyl chloride (PVC) as the covering for the power cable. The continuous use temperature of the conductor can reach 90°C in normal use, and 130°C in emergency. (No more than 3 times in 12 consecutive months, with an average of no more than 36 hours each time), up to 250°C during short-circuit (maximum short-circuit time is 5 seconds).

| 導體 Conductor | | 絕緣厚度 Thickness of Insulation | | 外被厚度 Thickness of Sheath | | 標準 完成 外徑 Overall Diameter (約) (approx.) | 最大 導體 電阻 Conductor Resistance Max. (20°C) | 最小 絕緣 電阻 Insulation Resistance Min. (20°C) | 交流 電壓 Test Voltage | |
|---|--|---|-------------|-----------------------------|-------------|---|---|--|-----------------------------|----------------|
| 標稱 截面積 Nominal sectional area | 構成 Construction 單線數 / 單線徑 Number/Diameter of wire | 外徑 Outer Diameter (約) (approx.) | 最小值 Min. | 平均值 Average | 最小值 Min. | | | | | 平均值 Average |
| mm ² | No./mm | mm | mm | mm | mm | mm | Ω/km | MΩ/km | kV/min | |
| 2 | 7/0.6±0.02 | 1.8 | 0.69↑ | 0.76↑ | 0.31↑ | 0.38↑ | 4.46 | 9.24↓ | 2,500 | 3.5/5 |
| 3.5 | 7/0.8±0.02 | 2.5 | 0.69↑ | 0.76↑ | 0.31↑ | 0.38↑ | 5.06 | 5.20↓ | 2,000 | 3.5/5 |
| 5.5 | 7/1.0±0.03 | 3.0 | 0.69↑ | 0.76↑ | 0.31↑ | 0.38↑ | 5.66 | 3.33↓ | 2,000 | 3.5/5 |
| 8 | 7 股全壓縮 | 3.28 | 1.03↑ | 1.14↑ | 0.31↑ | 0.38↑ | 6.78 | 2.31↓ | 1,500 | 5.5/5 |
| 14 | 7 股全壓縮 | 4.37 | 1.03↑ | 1.14↑ | 0.61↑ | 0.76↑ | 8.53 | 1.30↓ | 1,500 | 5.5/5 |
| 22 | 7 股全壓縮 | 5.46 | 1.03↑ | 1.14↑ | 0.61↑ | 0.76↑ | 9.62 | 0.824↓ | 1,500 | 5.5/5 |
| 30 | 7 股全壓縮 | 6.28 | 1.03↑ | 1.14↑ | 0.61↑ | 0.76↑ | 10.44 | 0.623↓ | 1,000 | 5.5/5 |
| 38 | 7 股全壓縮 | 7.10 | 1.26↑ | 1.40↑ | 0.61↑ | 0.76↑ | 11.80 | 0.487↓ | 1,000 | 7.0/5 |
| 50 | 19 股全壓縮 | 8.19 | 1.26↑ | 1.40↑ | 0.92↑ | 1.14↑ | 13.71 | 0.378↓ | 1,000 | 7.0/5 |
| 60 | 19 股全壓縮 | 9.10 | 1.26↑ | 1.40↑ | 0.92↑ | 1.14↑ | 14.62 | 0.303↓ | 1,000 | 7.0/5 |
| 80 | 19 股全壓縮 | 10.47 | 1.26↑ | 1.40↑ | 0.92↑ | 1.14↑ | 15.99 | 0.229↓ | 1,000 | 7.0/5 |
| 100 | 19 股全壓縮 | 11.83 | 1.26↑ | 1.40↑ | 0.92↑ | 1.14↑ | 17.35 | 0.180↓ | 800 | 7.0/5 |
| 125 | 19 股全壓縮 | 13.20 | 1.49↑ | 1.65↑ | 1.32↑ | 1.65↑ | 20.40 | 0.144↓ | 800 | 8.0/5 |
| 150 | 37 股全壓縮 | 14.65 | 1.49↑ | 1.65↑ | 1.32↑ | 1.65↑ | 21.85 | 0.118↓ | 800 | 8.0/5 |
| 200 | 37 股全壓縮 | 16.56 | 1.49↑ | 1.65↑ | 1.32↑ | 1.65↑ | 23.76 | 0.0922↓ | 800 | 8.0/5 |
| 250 | 61 股全壓縮 | 18.84 | 1.49↑ | 1.65↑ | 1.32↑ | 1.65↑ | 26.04 | 0.0722↓ | 600 | 8.0/5 |
| 325 | 61 股全壓縮 | 21.29 | 1.83↑ | 2.03↑ | 1.32↑ | 1.65↑ | 29.31 | 0.0565↓ | 600 | 10.0/5 |
| 400 | 61 股全壓縮 | 23.75 | 1.83↑ | 2.03↑ | 1.32↑ | 1.65↑ | 31.77 | 0.0454↓ | 600 | 10.0/5 |
| 500 | 61 股全壓縮 | 26.21 | 1.83↑ | 2.03↑ | 1.32↑ | 1.65↑ | 34.23 | 0.0373↓ | 600 | 10.0/5 |