

## 2-2 5kV XLPE/PVC 電力電纜

| 芯數<br>Core<br>Number | 導體 Conductor                           |   |   | 內半導<br>電層<br>Inner<br>semiconducting<br>layer | 絕緣<br>厚度<br>Insulation of<br>thickness | 外半導<br>電層<br>outer<br>semiconducting<br>layer | 遮蔽<br>銅帶<br>Concentric<br>Shielding<br>copper tape<br>(約)<br>(approx.) | 標準<br>完成<br>外徑<br>Overall<br>Diameter<br>(約)<br>(approx.) | 最大<br>導體<br>電阻<br>Conductor<br>Resistance<br>Max.<br>(20°C) | 最小<br>絕緣<br>電阻<br>Insulation<br>Resistance<br>Min.<br>(20°C) | 交流<br>電壓<br>Test<br>Voltage |
|----------------------|--|---|---|---|--|---|--|---|---|--|-----------------------------|
|                      | 標稱<br>截面積<br>Nominal<br>sectional area | 構成 Construction<br>單線數 /<br>單線徑<br>Number/Diameter of<br>wire | 外徑<br>Outer<br>Diameter<br>(約)<br>(approx.) |   |  |   |  |   |   |  |                             |
|                      | mm <sup>2</sup>                        | No./mm  | mm  | mm  | mm                                     | mm  | mm   | mm  | Ω/km  | MΩ/km  | kV/min                      |
| 1C                   | 8                                      | 7 股全壓縮  | 3.28  | 0.38  | 2.29                                   | 0.76  | 0.08   | 14.00   | 2.31  | 3,000  | 18.0/5                      |
|                      | 14                                     | 7 股全壓縮  | 4.37  | 0.38  | 2.29                                   | 0.76  | 0.08   | 15.93   | 1.30  | 3,000  | 18.0/5                      |
|                      | 22                                     | 7 股全壓縮  | 5.46  | 0.38  | 2.29                                   | 0.76  | 0.08   | 17.02   | 0.824   | 2,500  | 18.0/5                      |
|                      | 30                                     | 7 股全壓縮  | 6.28  | 0.38  | 2.29                                   | 0.76  | 0.08   | 17.84   | 0.623   | 2,000  | 18.0/5                      |
|                      | 38                                     | 7 股全壓縮  | 7.10  | 0.38  | 2.29                                   | 0.76  | 0.08   | 18.66   | 0.487   | 2,000  | 18.0/5                      |
|                      | 50                                     | 19 股全壓縮   | 8.19  | 0.38  | 2.29                                   | 0.76  | 0.08   | 19.75   | 0.378   | 2,000  | 18.0/5                      |
|                      | 60                                     | 19 股全壓縮   | 9.10  | 0.38  | 2.29                                   | 0.76  | 0.08   | 20.66   | 0.303   | 2,000  | 18.0/5                      |
|                      | 80                                     | 19 股全壓縮   | 10.47                                       | 0.38  | 2.29                                   | 0.76  | 0.08   | 22.03   | 0.229   | 1,500  | 18.0/5                      |
|                      | 100                                    | 19 股全壓縮   | 11.83                                       | 0.38  | 2.29                                   | 0.76  | 0.08   | 24.49   | 0.180   | 1,500  | 18.0/5                      |
|                      | 125                                    | 19 股全壓縮   | 13.20                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 26.06   | 0.144   | 1,500  | 18.0/5                      |
|                      | 150                                    | 37 股全壓縮   | 14.65                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 27.51   | 0.118   | 1,500  | 18.0/5                      |
|                      | 200                                    | 37 股全壓縮   | 16.56                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 29.42   | 0.0922  | 1,000  | 18.0/5                      |
|                      | 250                                    | 61 股全壓縮   | 18.84                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 31.70   | 0.0722  | 1,000  | 18.0/5                      |
|                      | 325                                    | 61 股全壓縮   | 21.29                                       | 0.64  | 2.29                                   | 1.02  | 0.08   | 34.91   | 0.0565  | 1,000  | 18.0/5                      |
|                      | 400                                    | 61 股全壓縮   | 23.75                                       | 0.64  | 2.29                                   | 1.02  | 0.08   | 37.37   | 0.0454  | 800  | 18.0/5                      |
| 500                  | 61 股全壓縮                                | 26.21   | 0.64  | 2.29  | 1.02                                   | 0.08  | 39.83  | 0.0373  | 800   | 18.0/5   |                             |
| 3C                   | 8                                      | 7 股全壓縮  | 3.28  | 0.38  | 2.29                                   | 0.76  | 0.08   | 28.54   | 2.36  | 3,000  | 18.0/5                      |
|                      | 14                                     | 7 股全壓縮  | 4.37  | 0.38  | 2.29                                   | 0.76  | 0.08   | 30.90   | 1.33  | 3,000  | 18.0/5                      |
|                      | 22                                     | 7 股全壓縮  | 5.46  | 0.38  | 2.29                                   | 0.76  | 0.08   | 33.25   | 0.840   | 2,500  | 18.0/5                      |
|                      | 30                                     | 7 股全壓縮  | 6.28  | 0.38  | 2.29                                   | 0.76  | 0.08   | 35.02   | 0.635   | 2,000  | 18.0/5                      |
|                      | 38                                     | 7 股全壓縮  | 7.10  | 0.38  | 2.29                                   | 0.76  | 0.08   | 36.78   | 0.497   | 2,000  | 18.0/5                      |
|                      | 50                                     | 19 股全壓縮   | 8.19  | 0.38  | 2.29                                   | 0.76  | 0.08   | 39.13   | 0.386   | 2,000  | 18.0/5                      |
|                      | 60                                     | 19 股全壓縮   | 9.10  | 0.38  | 2.29                                   | 0.76  | 0.08   | 41.09   | 0.309   | 2,000  | 18.0/5                      |
|                      | 80                                     | 19 股全壓縮   | 10.47                                       | 0.38  | 2.29                                   | 0.76  | 0.08   | 44.04   | 0.234   | 1,500  | 18.0/5                      |
|                      | 100                                    | 19 股全壓縮   | 11.83                                       | 0.38  | 2.29                                   | 0.76  | 0.08   | 48.64   | 0.184   | 1,500  | 18.0/5                      |
|                      | 125                                    | 19 股全壓縮   | 13.20                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 52.01   | 0.147   | 1,500  | 18.0/5                      |
|                      | 150                                    | 37 股全壓縮   | 14.65                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 55.15   | 0.120   | 1,500  | 18.0/5                      |
|                      | 200                                    | 37 股全壓縮   | 16.56                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 59.27   | 0.0940  | 1,000  | 18.0/5                      |
|                      | 250                                    | 61 股全壓縮   | 18.84                                       | 0.51  | 2.29                                   | 0.76  | 0.08   | 64.17   | 0.0736  | 1,000  | 18.0/5                      |
| 325                  | 61 股全壓縮                                | 21.29   | 0.64  | 2.29  | 1.02                                   | 0.08  | 71.10  | 0.0576  | 1,000   | 18.0/5   |                             |