

Comparison of AC Current Rating between XLPE and PVC Aluminium Conductors Cables.

| Nominal CS of conductor (sq.mm) | 3 Single Core Cables | | | | Multi Core Cables | | | |
|---------------------------------|----------------------|-----|---------------|-----|-------------------|-----|---------------|-----|
| | In Ground (Amps) | | In Air (Amps) | | In Ground (Amps) | | In Air (Amps) | |
| | XLPE | PVC | XLPE | PVC | XLPE | PVC | XLPE | PVC |
| 25 | 99 | 86 | 115 | 84 | 95 | 76 | 99 | 70 |
| 35 | 117 | 100 | 140 | 105 | 116 | 92 | 117 | 86 |
| 50 | 138 | 120 | 170 | 130 | 140 | 110 | 140 | 105 |
| 70 | 168 | 140 | 210 | 155 | 170 | 135 | 176 | 130 |
| 95 | 204 | 175 | 255 | 190 | 200 | 165 | 221 | 155 |
| 120 | 230 | 195 | 300 | 220 | 225 | 185 | 258 | 180 |
| 150 | 265 | 220 | 342 | 250 | 255 | 210 | 294 | 205 |
| 185 | 295 | 240 | 385 | 290 | 285 | 235 | 339 | 240 |
| 240 | 340 | 270 | 450 | 335 | 325 | 275 | 402 | 280 |
| 300 | 390 | 295 | 519 | 380 | 370 | 305 | 461 | 315 |
| 400 | 450 | 325 | 605 | 435 | 435 | 335 | 542 | 375 |