|  |  |  |  |
| --- | --- | --- | --- |
| **Copper cable Current Carrying Capacity (XLPE insulated)** | | | |
| **Cable Size  in (Sq. mm)** | **Single Core** | **Two Core** | **Three/Four Core** |
| 1 | 17 | 13.5 | 9 |
| 1.5 | 22 | 17.5 | 15.5 |
| 2.5 | 30 | 24 | 21 |
| 4 | 40 | 32 | 28 |
| 6 | 51 | 41 | 36 |
| 10 | 69 | 57 | 50 |
| 16 | 91 | 76 | 68 |
| 25 | 119 | 101 | 89 |
| 35 | 146 | 125 | 110 |
| 50 | 175 | 151 | 134 |
| 70 | 221 | 192 | 171 |
| 95 | 265 | 231 | 201 |
| 120 | 305 | 269 | 239 |
| 150 | 334 | 300 | 261 |
| 185 | 384 | 341 | 296 |
| 240 | 459 | 400 | 346 |
| 300 | 532 | 458 | 394 |

 Aluminium Current-Carrying Calculation chart:

|  |  |  |  |
| --- | --- | --- | --- |
| **Aluminium cable Current Carrying Capacity (XLPE insulated)** | | | |
| **Cable Size  in (Sq. mm)** | **Single Core** | **Two Core** | **Three/Four Core** |
| 4 | 16 | 13 | 11 |
| 6 | 20 | 16 | 14 |
| 10 | 25 | 22 | 19 |
| 16 | 35 | 31 | 28 |
| 25 | 43 | 41 | 36 |
| 35 | 65 | 59 | 52 |
| 50 | 80 | 71 | 63 |
| 70 | 91 | 80 | 71 |
| 95 | 120 | 115 | 100 |
| 120 | 153 | 133 | 118 |
| 150 | 188 | 161 | 140 |
| 185 | 230 | 203 | 176 |
| 240 | 270 | 254 | 220 |
| 300 | 340 | 314 | 270 |