

**DATA KONSTANTA KONDUKTOR (PER KM)**

| No. | Kawat Konduktor |        | KONSTANTA (Ohm/ Km) |     |        |        |         |       |       | Keterangan                       |
|-----|-----------------|--------|---------------------|-----|--------|--------|---------|-------|-------|----------------------------------|
|     | JENIS           | JENIS  | MM <sup>2</sup>     | JML | R      | X      | B       | TAND  | CCC   |                                  |
| 1.  | SKTT            | CU240  | 240                 | 1   | 0.0440 | 0.0580 | 3.285   | 0.000 | 1.100 |                                  |
| 2.  | SKTT            | CU240  | 240                 | 2   | 0.0870 | 0.1320 | 73.000  | 0.000 | 550   |                                  |
| 3.  | SKTT            | CU300  | 300                 | -   | 0.0826 | 0.1270 | 80.000  | 0.000 | 435   |                                  |
| 4.  | SKTT            | AL630  | 630                 | 2   | 0.0565 | 0.1125 | 100.000 | 0.000 | 580   |                                  |
| 5.  | SKTT            | AL800  | 800                 | 2   | 0.0503 | 0.1063 | 113.180 | 0.000 | 730   |                                  |
| 6.  | SKTT            | CU800  | 800                 | 2   | 0.0338 | 0.1097 | 116.800 | 0.000 | 920   |                                  |
| 7.  | SUTT            | KOPEL  | -                   | 2   | 0.0387 | 0.2807 | 4.023   | 0.000 | 1.620 |                                  |
| 8.  | SUTT            | REAKT  | -                   | 1   | 0.0000 | 4.8000 | 0.000   | 0.000 | 1.600 |                                  |
| 9.  | SUTT            | CU50   | 50                  | -   | 0.3570 | 0.4156 | 2.744   | 0.000 | 300   |                                  |
| 10. | SUTT            | RAVEN  | 62.38               | -   | 0.6128 | 0.3582 | 3.064   | 0.000 | 230   |                                  |
| 11. | SUTT            | CU70b  | 70                  | 2   | 0.2925 | 0.4025 | 2.837   | 0.000 | 330   |                                  |
| 12. | SUTT            | PGEON  | 99.22               | -   | 0.3866 | 0.3584 | 3.202   | 0.000 | 310   | 99.2 mm <sup>2</sup>             |
| 13. | SUTT            | PARTR  | 152.70              | -   | 0.2136 | 0.4080 | 2.766   | 0.000 | 400   |                                  |
| 14. | SUTT            | ACSRa  | 176.71              | 1   | 0.2723 | 0.3972 | 2.877   | 0.000 | 380   | 176.71 mm <sup>2</sup> - Standar |
| 15. | SUTT            | OSTRI  | 176.71              | -   | 0.2175 | 0.3871 | 2.956   | 0.000 | 440   | 176.71 mm <sup>2</sup> - Modif.  |
| 16. | SUTT            | PIPER  | 187.48              | -   | 0.2180 | 0.3859 | 2.956   | 0.000 | 440   | 187.5 mm <sup>2</sup>            |
| 17. | SUTT            | ORIOI  | 210.26              | 2   | 0.1694 | 0.3814 | 3.002   | 0.000 | 470   | 170/40 mm <sup>2</sup>           |
| 18. | SUTT            | TA221  | 240                 | 2   | 0.1370 | 0.3966 | 2.880   | 0.000 | 800   |                                  |
| 19. | SUTT            | TA222  | 240                 | 2   | 0.0633 | 0.2581 | 4.386   | 0.000 | 2.730 |                                  |
| 20. | SUTT            | HA221  | 281.10              | -   | 0.1370 | 0.3966 | 2.880   | 0.000 | 580   | 1x281.1 mm <sup>2</sup>          |
| 21. | SUTT            | HA222  | 281.10              | -   | 0.0685 | 0.2045 | 2.788   | 0.000 | 1.200 | 2x281.1 mm <sup>2</sup>          |
| 22. | SUTT            | HE211  | 298.07              | -   | 0.1373 | 0.4127 | 2.763   | 0.000 | 580   | 298.07 mm <sup>2</sup>           |
| 23. | SUTT            | HEN22  | 298.07              | 2   | 0.1575 | 0.3700 | 3.098   | 0.000 | 1160  |                                  |
| 24. | SUTT            | DO124  | 327.94              | 2   | 0.0293 | 0.2815 | 4.032   | 0.000 | 2.500 |                                  |
| 25. | SUTT            | DO221  | 327.94              | -   | 0.1172 | 0.4003 | 2.853   | 0.000 | 600   |                                  |
| 26. | SUTT            | DO222  | 327.94              | 2   | 0.0586 | 0.2773 | 4.074   | 0.000 | 1.200 |                                  |
| 27. | SUTT            | GA124  | 392.84              | 2   | 0.0251 | 0.2808 | 4.049   | 0.000 | 2.400 |                                  |
| 28. | SUTT            | DR221  | 468.45              | 1   | 0.0823 | 0.4063 | 2.809   | 0.000 | 780   |                                  |
| 29. | SUTT            | DR222  | 468.45              | 1   | 0.0411 | 0.2812 | 4.016   | 0.000 | 1.560 | 2x468.5 mm <sup>2</sup>          |
| 30. | SUTT            | ZE221  | 484.50              | 2   | 0.0773 | 0.4013 | 2.846   | 0.000 | 810   | 484.5 mm <sup>2</sup>            |
| 31. | SUTT            | ZE222  | 484.50              | -   | 0.0387 | 0.2807 | 4.023   | 0.000 | 1.620 | 2x484.5 mm <sup>2</sup>          |
| 32. | SUTT            | ZE224  | 484.50              | 2   | 0.0199 | 0.2290 | 5.024   | 0.000 | 2.730 | 4x484.5 mm <sup>2</sup>          |
| 33. | SUTT            | TACSR  | 160                 | 1   | 0.214  | 0.408  |         |       | 440   |                                  |
| 34. | SUTT            | ACSR21 | 330                 | 2   | 0.137  | 0.397  | 2.880   | 0.000 | 740   |                                  |
| 35. | SUTT            | ACSR22 | 330                 | 2   | 0.0633 | 0.2581 | 4.386   | 0.000 | 1480  |                                  |
| 36. | SUTT            | ACSR24 | 330                 | 1   | 0.0199 | 0.2290 | 5.024   | 0.000 | 2960  |                                  |

$$B \text{ (Ohm/km)} \times 10^{-6} \times L \times (KV)^2 = B \text{ (p.u.)}$$

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| No. | Kawat Konduktor |        | KONSTANTA (Ohm/ Km) |     |        |        |       |       |       | Keterangan |
|-----|-----------------|--------|---------------------|-----|--------|--------|-------|-------|-------|------------|
|     | JENIS           | JENIS  | MM <sup>2</sup>     | JML | R      | X      | B     | TAND  | CCC   |            |
| 37. | SUTT            | AW 221 | 330                 | 2   | 0.1172 | 0.4003 | 2.853 | 0.000 | 600   |            |
| 38. | SUTT            | AW 222 | 330                 | 2   | 0.0586 | 0.2815 | 4.074 | 0.000 | 1.200 |            |
| 39. | SUTT            | AW 124 | 327.94              | 1   | 0.0293 | 0.2773 | 4.032 | 0.000 | 2.500 |            |
| 40. | SUTT            | ACSR21 | 330                 | 2   | 0.137  | 0.397  | 2.880 | 0.000 | 740   |            |
| 41. | SUTT            | ACSR22 | 330                 | 2   | 0.0633 | 0.2581 | 4.386 | 0.000 | 1480  |            |
| 42. | SUTT            | ACSR24 | 330                 | 1   | 0.0199 | 0.2290 | 5.024 | 0.000 | 2960  |            |
| 43. |                 |        |                     |     |        |        |       |       |       |            |
| 44. |                 |        |                     |     |        |        |       |       |       |            |
| 45. |                 |        |                     |     |        |        |       |       |       |            |
| 46. |                 |        |                     |     |        |        |       |       |       |            |
| 47. |                 |        |                     |     |        |        |       |       |       |            |
| 48. |                 |        |                     |     |        |        |       |       |       |            |

$$B \text{ (Ohm/km)} * 10^{-6} * L * (KV)^2 = B \text{ (p.u.)}$$