

| Nexans Ref. Code | Formation | Electrical resistance @ 20°C - d.c. max | Electrical resistance @ 90°C - a.c. | X Phase Reactance @ 50 Hz | C Capacitance | Current capacity in ground @ 20°C | Current capacity in air @ 30°C | Short circuit current conductor Tmax 250°C | Short circuit current screen Tmax 150°C |
|---------------------|-----------|--|---|---------------------------------|------------------|---|--------------------------------------|---|--|
| | | [Ω/km] | [Ω/km] | [Ω/km] | [μF/km] | [A] | [A] | kA x 1s | kA x 0,5s |
| - | 3x1x50 | 0,641 | 0,822 | 0,131 | 0,189 | 175 | 185 | 4,7 | 1,6 |
| 10581039 | 3x1x70 | 0,443 | 0,568 | 0,122 | 0,221 | 214 | 230 | 6,6 | 1,6 |
| - | 3x1x95 | 0,320 | 0,411 | 0,115 | 0,254 | 256 | 280 | 9,0 | 1,6 |
| - | 3x1x120 | 0,253 | 0,325 | 0,110 | 0,288 | 292 | 324 | 11,3 | 1,7 |
| - | 3x1x150 | 0,206 | 0,265 | 0,107 | 0,307 | 326 | 367 | 14,2 | 1,8 |
| - | 3x1x185 | 0,164 | 0,211 | 0,103 | 0,333 | 370 | 422 | 17,5 | 1,9 |
| - | 3x1x240 | 0,125 | 0,161 | 0,099 | 0,372 | 429 | 502 | 22,7 | 2,1 |
| - | 3x1x300 | 0,100 | 0,129 | 0,097 | 0,399 | 484 | 578 | 28,3 | 2,1 |
| - | 3x1x400 | 0,0778 | 0,101 | 0,093 | 0,442 | 554 | 676 | 37,8 | 2,3 |
| - | 3x1x500 | 0,0605 | 0,080 | 0,091 | 0,483 | 632 | 788 | 47,2 | 2,5 |

Note
formation: trefoil
laying depth: 1,0 [m]
soil thermal resistivity: 1,0 [°Cm/W]
metallic layers connection: "solid bonding" (earthed at both ends)