

U₀/U(U_m)=18/30(36)KV-THREE-CORE CABLE- ARMoured (STA)

COPPER CONDUCTORS/ 8 mm XLPE INSULATION THICKNESS / PVC SHEATHED-90°C

| Nominal cross-sectional area | Overall diameter Φ approx | Net weight approx | Max resistance | | Current carrying capacity | | short circuit current of conductor for 1 sec. | Capacitance | Inductance | Voltage drop at 50 HZ cos.φ 0.8 |
|------------------------------|------------------------------|----------------------|----------------|------------|-------------------------------|---------------------|--|-------------|------------|------------------------------------|
| | | | DC at 20°C | AC at 90°C | Ground at 35°C Direct laid | Air at 40°C free | | | | |
| mm ² | mm | kg/km | Ω/KM | Ω/KM | Amp | Amp | ka/km | μf/km | mh/km | V/A/km |
| 3X50 | 72.9 | 6325 | 0.387 | 0.494 | 190 | 200 | 7.15 | 0.133 | 0.396 | 0.686 |
| 3X70 | 77.0 | 7404 | 0.268 | 0.342 | 235 | 245 | 10.01 | 0.148 | 0.375 | 0.519 |
| 3X95 | 82.2 | 9218 | 0.193 | 0.247 | 280 | 290 | 13.59 | 0.163 | 0.359 | 0.413 |
| 3X120 | 85.5 | 10262 | 0.153 | 0.196 | 310 | 350 | 17.16 | 0.174 | 0.348 | 0.355 |
| 3X150 | 88.0 | 11397 | 0.124 | 0.159 | 345 | 390 | 21.45 | 0.184 | 0.340 | 0.313 |
| 3X185 | 92.4 | 12784 | 0.0991 | 0.1275 | 390 | 430 | 26.46 | 0.199 | 0.329 | 0.275 |
| 3X240 | 98.6 | 15216 | 0.0754 | 0.0975 | 440 | 510 | 34.32 | 0.220 | 0.316 | 0.239 |
| 3X300 | 103.9 | 17476 | 0.0601 | 0.0800 | 495 | 570 | 42.90 | 0.239 | 0.306 | 0.216 |
| 3X400 | 110.2 | 20986 | 0.0470 | 0.0630 | 540 | 640 | 57.20 | 0.261 | 0.296 | 0.194 |

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ALUMINIUM CONDUCTORS/8 mm XLPE INSULATION THICKNESS / PVC SHEATHED-90°C

| Nominal cross-sectional area | Overall diameter Φ approx | Net weight approx | Max resistance | | Current carrying capacity | | short circuit current of conductor for 1 sec. | Capacitance | Inductance | Voltage drop at 50 HZ cos.φ 0.8 |
|------------------------------|------------------------------|----------------------|----------------|------------|-------------------------------|---------------------|--|-------------|------------|------------------------------------|
| | | | DC at 20°C | AC at 90°C | Ground at 35°C Direct laid | Air at 40°C free | | | | trefoil |
| mm ² | mm | kg/km | Ω/KM | Ω/KM | Amp | Amp | ka/km | μf/km | mh/km | V/A/km |
| 3X50 | 72.9 | 5458 | 0.641 | 0.822 | 140 | 155 | 4.60 | 0.133 | 0.396 | 1.027 |
| 3X70 | 77.0 | 6077 | 0.443 | 0.569 | 180 | 195 | 6.44 | 0.148 | 0.375 | 0.755 |
| 3X95 | 82.2 | 7479 | 0.320 | 0.411 | 210 | 235 | 8.74 | 0.163 | 0.359 | 0.583 |
| 3X120 | 85.5 | 8071 | 0.253 | 0.325 | 240 | 265 | 11.04 | 0.174 | 0.348 | 0.489 |
| 3X150 | 88.0 | 8654 | 0.206 | 0.265 | 260 | 290 | 13.80 | 0.184 | 0.340 | 0.423 |
| 3X185 | 92.4 | 9451 | 0.1640 | 0.2110 | 300 | 345 | 17.02 | 0.199 | 0.329 | 0.362 |
| 3X240 | 98.6 | 10753 | 0.1250 | 0.1620 | 350 | 410 | 22.08 | 0.220 | 0.316 | 0.306 |
| 3X300 | 103.9 | 11934 | 0.1000 | 0.1300 | 390 | 460 | 27.60 | 0.239 | 0.306 | 0.268 |
| 3X400 | 110.2 | 13793 | 0.0778 | 0.1000 | 430 | 515 | 36.80 | 0.261 | 0.296 | 0.233 |