



We Make
Modern Life
Possible



N2XS(F)2Y 18/30 kV

XLPE/HDPE medium voltage underground cable,
longitudinally water-proof

COPPER – VDE

For fixed installation for high requirements in the ground subject to external effects of moisture, in the open air and in cable ducts for industrial and distribution mains – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.



TECHNICAL DATA



Standard
DIN VDE 0276-620



Certificate
VDE Germany



Test Voltage
48 kV



Rated Voltage
18/30 kV (U₀/U)

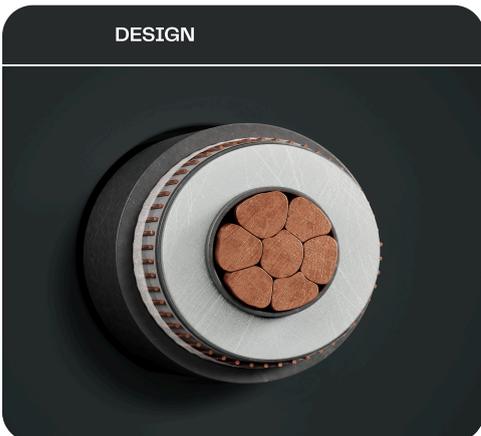


Bending radius (min.)
15 x ϕ of cable



Temperature range
Laying temperature: min. -20°C
Operating temperature: -20°C up to 80°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



| Number of cores x nominal cross-section / cross-section of screen (mm ²) | Mutual capacitance (nF/km) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) | Standard lengths/packing (m) |
|--|----------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|------------------------------|
| 1 x 50 RM / 16 | 0.14 | 0.387 | 225 | 241 | 36.0 | 1520 | 500 T, 1000 T |
| 1 x 70 RM / 16 | 0.15 | 0.268 | 274 | 299 | 38.0 | 1790 | 500 T, 1000 T |
| 1 x 95 RM / 16 | 0.17 | 0.193 | 327 | 363 | 40.0 | 2070 | 500 T, 1000 T |
| 1 x 120 RM / 16 | 0.18 | 0.153 | 371 | 418 | 41.0 | 2360 | 500 T, 1000 T |
| 1 x 150 RM / 25 | 0.19 | 0.124 | 414 | 472 | 42.0 | 2760 | 500 T, 1000 T |
| 1 x 185 RM / 25 | 0.21 | 0.099 | 466 | 539 | 44.0 | 3170 | 500 T, 1000 T |
| 1 x 240 RM / 25 | 0.23 | 0.754 | 539 | 635 | 47.0 | 3860 | 500 T, 1000 T |
| 1 x 300 RM / 25 | 0.25 | 0.601 | 606 | 725 | 49.0 | 4490 | 500 T, 1000 T |
| 1 x 400 RM / 35 | 0.27 | 0.047 | 680 | 831 | 52.0 | 5580 | 500 T, 1000 T |
| 1 x 500 RM / 35 | 0.3 | 0.037 | 765 | 953 | 55.0 | 6600 | 500 T, 1000 T |
| 1 x 630 RM / 35 | 0.33 | 0.028 | 841 | 1094 | 58.0 | 7850 | 500 T, 1000 T |
| 1 x 800 RM / 35 | 0.36 | 0.022 | 990 | 1238 | 62.0 | 9350 | 500 T, 1000 T |

CONTACT PERSON

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