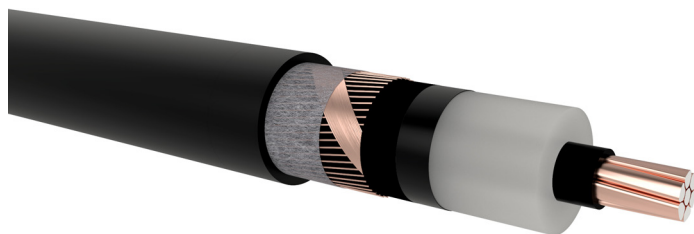


N2XS(F)2Y 18/30 kV

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

DESIGN



- 1 | Copper conductor, round stranded compressed (RM)
- 2 | Inner semi-conductive layer (conductive XLPE)
- 3 | Core insulation (XLPE)
- 4 | Outer semi-conductive layer (conductive XLPE), taped with a conductive tape
- 5 | Screen (bare copper wires) and counter helix (copper tape)
- 6 | Swelling tape over screen
- 7 | Sheath (HDPE black, UV resistant, min. 55 ShD)

APPLICATION

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



Rated voltage:
18/30 kV (U₀/U)



Test voltage:
48 kV / 50 Hz



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/5 s



Bending radius (min.):
15 x Ø of cable



Certificate:
VDE Germany

| 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 (mm) appr. | Total weight (kg/km) appr. | Standard lengths/packing (m) |
|--|----------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|------------------------------|
| N2XS(F)2Y 18/30 kV | | | | | | | |
| 1 x 50 RM/16 | 0.14 | 0.387 | 225 | 241 | 36.0 | 1520 | 500 D, 1000 D |
| 1 x 70 RM/16 | 0.15 | 0.268 | 274 | 299 | 38.0 | 1790 | 500 D, 1000 D |
| 1 x 70 RM/16 | 0.17 | 0.193 | 327 | 363 | 40.0 | 2070 | 500 D, 1000 D |
| 1 x 120 RM/16 | 0.18 | 0.153 | 371 | 418 | 41.0 | 2360 | 500 D, 1000 D |
| 1 x 150 RM/25 | 0.19 | 0.124 | 414 | 472 | 42.0 | 2760 | 500 D, 1000 D |
| 1 x 185 RM/25 | 0.21 | 0.0991 | 466 | 539 | 44.0 | 3170 | 500 D, 1000 D |
| 1 x 240 RM/25 | 0.23 | 0.754 | 539 | 635 | 47.0 | 3860 | 500 D, 1000 D |
| 1 x 300 RM/25 | 0.25 | 0.601 | 606 | 725 | 49.0 | 4490 | 500 D, 1000 D |
| 1 x 400 RM/35 | 0.27 | 0.047 | 680 | 831 | 52.0 | 5580 | 500 D, 1000 D |
| 1 x 500 RM/35 | 0.3 | 0.0366 | 765 | 953 | 55.0 | 6600 | 500 D, 1000 D |



SCHWECHATER KABELWERKE

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Technical changes reserved. All figures are therefore without guarantee.

12.10.2022, 08:30