We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

# NA2XY

## XLPE/PVC aluminium energy cable

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.



### TECHNICAL DATA

**Standard**
DIN VDE 0276-603 (HD 603)

**Certificate**
VDE Germany

**Test Voltage**
core/core 4 kV / 50 Hz

**Rated Voltage**
0.6/1 kV

**Bending radius (min.)**
12 x Ø of cable

**Fire properties**
EN 60332-1-2: flame retardant
CPR Classification: Eca

**Core identification**
HD 308 S2

**Temperature range**
Laying temperature: min. -5°C
Operating temperature: -50°C up to 90°C

### DESIGN



1. Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)
2. Core insulation (XLPE)
3. Inner covering (EPDM)
4. Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm²) | 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) |
|---|---|---|---|---|---|
| 4 x 35 RE | 0.868 | 135 | 126 | 28.0 | 1063 |
| 3 x 50 SM | 0.641 | 158 | 149 | 27.2 | 942 |
| 4 x 50 SE | 0.641 | 158 | 149 | 28.3 | 1129 |
| 4 x 50 SM | 0.641 | 158 | 149 | 30.1 | 1188 |
| 1 x 70 RM | 0.443 | 310 | 260 | 16.8 | 370 |
| 3 x 70 SM | 0.443 | 196 | 191 | 31.1 | 1258 |
| 3 x 70 + 35 SM/RE | 0.443 / 0.868 | 196 | 191 | 33.8 | 1563 |
| 4 x 70 SE | 0.443 | 196 | 191 | 32.7 | 1520 |
| 4 x 70 SM | 0.443 | 196 | 191 | 34.1 | 1588 |
| 1 x 95 RM | 0.32 | 372 | 321 | 18.6 | 464 |
| 3 x 95 SM | 0.32 | 234 | 234 | 33.9 | 1562 |
| 3 x 95 + 50 SM/SM | 0.32 / 0.641 | 234 | 234 | 35.5 | 1830 |
| 4 x 95 SE | 0.32 | 234 | 234 | 36.2 | 1928 |
| 1 x 120 RM | 0.253 | 425 | 376 | 20.2 | 555 |
| 3 x 120 SM | 0.253 | 268 | 273 | 36.9 | 1867 |
| 3 x 120 + 70 SM/SM | 0.253 / 0.443 | 268 | 273 | 38.9 | 2256 |
| 4 x 120 SE | 0.253 | 268 | 273 | 39.6 | 2325 |
| 4 x 120 SM | 0.253 | 268 | 273 | 42.0 | 2439 |
| 1 x 150 RM | 0.206 | 476 | 431 | 22.0 | 660 |
| 3 x 150 + 70 SM/SM | 0.206 / 0.443 | 300 | 311 | 43.6 | 2676 |
| 4 x 150 SE | 0.206 | 300 | 311 | 44.3 | 2880 |
| 4 x 150 SM | 0.206 | 300 | 311 | 47.2 | 2960 |
| 1 x 185 RM | 0.164 | 541 | 501 | 24.1 | 799 |
| 3 x 185 + 95 SM/SM | 0.164 / 0.32 | 342 | 360 | 47.5 | 3235 |
| 4 x 185 SE | 0.164 | 342 | 360 | 48.5 | 3500 |
| 4 x 185 SM | 0.164 | 342 | 360 | 52.5 | 3633 |
| 1 x 240 RM | 0.125 | 631 | 600 | 26.7 | 994 |
| 3 x 240 SM | 0.125 | 398 | 427 | 50.1 | 3469 |
| 3 x 240 + 120 SM/SM | 0.125 / 0.253 | 398 | 427 | 53.4 | 4060 |
| 4 x 240 SE | 0.125 | 398 | 427 | 53.6 | 4329 |
| 4 x 240 SM | 0.125 | 398 | 427 | 58.2 | 4541 |
| 1 x 300 RM | 0.1 | 716 | 696 | 29.4 | 1210 |
| 1 x 400 RM | 0.078 | 825 | 821 | 33.3 | 1526 |
| 1 x 500 RM | 0.061 | 952 | 971 | 36.2 | 1869 |

Technical changes reserved. All figures are therefore without guarantee.



**CONTACT PERSON**

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