

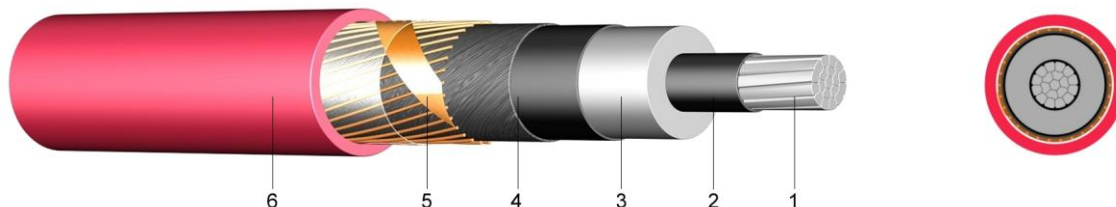


NA2XSJ

XLPE Insulated Single-Core Cable with PVC Outer Sheath

Application:

To be laid directly in ground, outdoors, indoors and in cable ducts.



Construction:

- 1 stranded (RM) aluminium wires
- 2 inner layer of semi-conducting material
- 3 core insulation of cross-linked polyethylene
- 4 outer layer of semi-conducting material
- 5 screen of copper wires
- 6 outer sheath of polyvinylchloride (PVC), red

Standards:

DIN VDE0276-620
 HD 620 S1: 1995
 DIN EN 60228 class 2 (construction)

Technical data:

| | | | |
|-----------------------|---------------|------------|------------------|
| Test voltage | 6 / 10 kV | [kV] | 21 / 5 min. |
| | 12 / 20 kV | [kV] | 42 / 5 min. |
| | 18 / 30 kV | [kV] | 63 / 5 min. |
| Temperature range | in motion | | - 5°C till +70°C |
| | fixed | | -20°C till +70°C |
| Operating temperature | short circuit | °C | 250°C |
| Short circuit time | max. | [sec] | 5 |
| Bending radius | min. | x diameter | 15 |
| Flammability | standard | | EN 60332-1-2 |

| Number of cores and nominal cross section mm ² | from stock | Aluminium figure kg/km | Copper figure kg/km | Overall diameter | Overall diameter max. | Weight appr. kg / km | Current carrying capacity ground A* | Current carrying capacity air A* |
|--|------------|---------------------------|------------------------|------------------|-----------------------|-------------------------|--|-------------------------------------|
| | | | | appr. mm | value appr. mm | | | |
| 6 / 10 kV | | | | | | | | |
| 1 x 35 RM/16 | ○ | 103 | 190 | 23 | 28 | 700 | 145 | 153 |
| 1 x 50 RM/16 | ○ | 147 | 190 | 24 | 29 | 750 | 171 | 183 |
| 1 x 70 RM/16 | ○ | 206 | 190 | 26 | 31 | 850 | 208 | 228 |
| 1 x 95 RM/16 | ○ | 279 | 190 | 27 | 32 | 950 | 248 | 278 |
| 1 x 120 RM/16 | ○ | 353 | 190 | 29 | 34 | 1.050 | 283 | 321 |
| 1 x 150 RM/25 | ○ | 441 | 295 | 30 | 35 | 1.300 | 315 | 364 |
| 1 x 185 RM/25 | ○ | 544 | 295 | 32 | 37 | 1.400 | 357 | 418 |
| 1 x 240 RM/25 | ○ | 706 | 295 | 34 | 39 | 1.650 | 413 | 494 |
| 1 x 300 RM/25 | ○ | 882 | 295 | 36 | 40 | 1.850 | 466 | 568 |
| 1 x 400 RM/35 | ○ | 1.176 | 410 | 40 | 45 | 2.300 | 529 | 660 |



| Number of cores and nominal cross section mm ² | from stock | Aluminium figure kg/km | Copper figure kg/km | Overall diameter appr. mm | Overall diameter max. value appr. mm | Weight appr. kg / km | Current carrying capacity ground A* | Current carrying capacity air A* |
|---|------------|------------------------|---------------------|---------------------------|--------------------------------------|----------------------|-------------------------------------|----------------------------------|
| 12 / 20 kV | | | | | | | | |
| 1 x 50 RM/16 | ○ | 147 | 190 | 28 | 33 | 950 | 172 | 185 |
| 1 x 70 RM/16 | ○ | 206 | 190 | 30 | 35 | 1.050 | 210 | 231 |
| 1 x 95 RM/16 | ○ | 279 | 190 | 31 | 36 | 1.150 | 251 | 280 |
| 1 x 120 RM/16 | ○ | 353 | 190 | 33 | 38 | 1.300 | 285 | 323 |
| 1 x 150 RM/25 | ○ | 441 | 295 | 34 | 39 | 1.500 | 319 | 366 |
| 1 x 185 RM/25 | ○ | 544 | 295 | 36 | 41 | 1.650 | 361 | 420 |
| 1 x 240 RM/25 | ○ | 706 | 295 | 39 | 44 | 1.850 | 417 | 496 |
| 1 x 300 RM/25 | ○ | 882 | 295 | 41 | 46 | 2.100 | 471 | 569 |
| 1 x 400 RM/35 | ○ | 1.176 | 410 | 44 | 49 | 2.550 | 535 | 660 |

| Number of cores and nominal cross section mm ² | from stock | Aluminium figure kg/km | Copper figure kg/km | Overall diameter appr. mm | Overall diameter max. value appr. mm | Weight appr. kg / km | Current carrying capacity ground A* | Current carrying capacity air A* |
|---|------------|------------------------|---------------------|---------------------------|--------------------------------------|----------------------|-------------------------------------|----------------------------------|
| 18 / 30 kV | | | | | | | | |
| 1 x 50 RM/16 | ○ | 147 | 190 | 36 | 41 | 1.190 | 175 | 187 |
| 1 x 70 RM/16 | ○ | 206 | 190 | 37 | 42 | 1.315 | 214 | 232 |
| 1 x 95 RM/16 | ○ | 279 | 190 | 39 | 43 | 1.450 | 256 | 281 |
| 1 x 120 RM/16 | ○ | 353 | 190 | 40 | 45 | 1.580 | 290 | 323 |
| 1 x 150 RM/25 | ○ | 441 | 295 | 42 | 47 | 1.800 | 324 | 365 |
| 1 x 185 RM/25 | ○ | 544 | 295 | 44 | 49 | 1.965 | 366 | 418 |
| 1 x 240 RM/25 | ○ | 706 | 295 | 46 | 51 | 2.230 | 426 | 494 |
| 1 x 300 RM/25 | ○ | 882 | 295 | 49 | 53 | 2.470 | 479 | 564 |
| 1 x 400 RM/35 | ○ | 1.176 | 410 | 51 | 56 | 2.920 | 545 | 654 |

* trefoil touching arrangement