

## NA2XS2Y

PE medium voltage cable with aluminium conductor

NA2XS2Y, VDE, PE medium voltage cable acc. VDE 0276-620, with aluminium conductor, for fixed installation

### Info

3 voltage classes: 6/10 (12) kV, 12/20 (24) kV, 18/30 (36) kV

With aluminium conductor



Suitable for outdoor use



Mechanical resistance



UV-resistant

### Application range

Power and control cable for fixed installation in the following applications:

In water, in ground, outdoors and indoors

In cable trays for power stations, industry, and distribution networks

Burial without additional, suitable underground protection according to HD 620/VDE 0276-620 - Part 10-C (point 4): normal minimum installation depth 0.6 m, but at least 0.8 m under roads

### Product features

Suitable for installation or operation under high mechanical stress due to the PE-sheath

Current rating according to HD 620/VDE 0276-620, Part 10-C, Table 7 (buried at +20 °C ground temperature according to HD 620/VDE 0276-620, Part 10-C, point 5) for routing underground and Table 8 (in the air at an air temperature of +30 °C according to HD 620/VDE 0276-620, Part 10-C, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

### Norm references / Approvals

HD 620/ VDE 0276-620

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## NA2XS2Y

### Product Make-up

Aluminium conductor

Abbreviation "rm":

r = round conductor form;

m = multi-wire conductor

Core insulation: Cross-linked Polyethylen (XLPE)

Screen made of copper wires with one or two copper bond counter spiral

Outer sheath: PE, black

### Technical Data

|                         |   |
|-------------------------|---|
| Classification ETIM 5:  | ETIM 5.0 Class-ID: EC001140<br>ETIM 5.0 Class-Description: Medium voltage power cable |
| Classification ETIM 6:  | ETIM 6.0 Class-ID: EC001140<br>ETIM 6.0 Class-Description: Medium voltage power cable |
| Conductor stranding:    | Multi-wire  |
| Minimum bending radius: | Fixed installation: 15 x outer diameter   |
| Nominal voltage:        | $U_0/U$ : 6/10 (12) kV, 12/20 (24) kV, 18/30 (36) kV                                  |
| Test voltage:           | Depending on nominal voltage:<br>6/10 kV: 15 kV<br>12/20 kV: 30 kV<br>18/30 kV: 45 kV |
| Temperature range:      | During installation: -40 °C to +70 °C<br>Fixed installation: -40 °C to +90 °C         |

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Aluminium price basis: excludes aluminium. Refer to catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index".

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

\* Trade product, no Lapp product

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Prices are net prices without VAT and surcharges. Sale to business customers only.



NA2XS2Y

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 6/10 (12) kV   |   |                     |                      |                |
| 38107886       | 1x50 RM/16  | 25                  | 182                  | 617            |
| 38107887       | 1x70 RM/16  | 26                  | 182                  | 701            |
| 38107888       | 1x95 RM/16  | 28                  | 182                  | 805            |
| 38107889       | 1x120 RM/16                                       | 30                  | 182                  | 900            |
| 32702886       | 1X150 RM/25                                       | 31                  | 283                  | 1081           |
| 38107890       | 1x185 RM/25                                       | 33                  | 283                  | 1215           |
| 32702885       | 1X240 RM/25                                       | 35                  | 283                  | 1414           |
| 38107891       | 1x300 RM/25                                       | 37                  | 283                  | 1614           |
| 38107892       | 1x400 RM/35                                       | 41                  | 394                  | 2022           |
| 38105313       | 1X500 RM/35                                       | 43                  | 394                  | 2367           |
| 38107893       | 1x630 RM/35                                       | 47                  | 394                  | 2815           |
| 12/20 (24) kV  |   |                     |                      |                |
| 38107894       | 1x35 RM/16  | 28                  | 182                  | 700            |
| 32701312       | 1X50 RM/16  | 29                  | 182                  | 767            |
| 38107895       | 1x70 RM/16  | 31                  | 182                  | 860            |
| 38107896       | 1x70 RM/25  | 31                  | 283                  | 950            |
| 38000020       | 1X95 RM/16  | 32                  | 182                  | 974            |
| 1552075        | 1X120 RM/16                                       | 34                  | 182                  | 1078           |
| 30018695       | 1X150 RM/25                                       | 35                  | 283                  | 1267           |
| 38106595       | 1X185 RM/25                                       | 37                  | 283                  | 1412           |
| 38106519       | 1X240 RM/25                                       | 39                  | 283                  | 1625           |
| 38107897       | 1x300 RM/25                                       | 41                  | 283                  | 1839           |
| 3033789        | 1X400 RM/35                                       | 44                  | 394                  | 2224           |
| 38107898       | 1x500 RM/35                                       | 47                  | 394                  | 2597           |
| 1550993        | 1X630 RM/35                                       | 50                  | 394                  | 3281           |
| 1552072        | 1X800 RM/35                                       | 56                  | 394                  | 3983           |
| 18/30 (36) kV  |   |                     |                      |                |
| 38107899       | 1x50 RM/16  | 34                  | 182                  | 980            |
| 38107900       | 1x70 RM/16  | 36                  | 182                  | 1083           |
| 38107901       | 1x95 RM/16  | 37                  | 182                  | 1209           |
| 38107902       | 1x120 RM/16                                       | 39                  | 182                  | 1324           |
| 38107903       | 1x150 RM/25                                       | 40                  | 283                  | 1522           |
| 38107904       | 1x185 RM/25                                       | 42                  | 283                  | 1680           |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 38107905       | 1x240 RM/25                                       | 44                  | 283                  | 1910           |
| 38107906       | 1x300 RM/25                                       | 46                  | 283                  | 2141           |
| 38107907       | 1x400 RM/35                                       | 49                  | 394                  | 2547           |
| 38107908       | 1x500 RM/35                                       | 52                  | 394                  | 2956           |
| 38107909       | 1x630 RM/35                                       | 56                  | 394                  | 3465           |

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