

INSULATED OVERHEADLINES

# NFA2X

XLPE insulated bundled overhead line



## TECHNICAL DATA



### Standard

DIN VDE 0276-626 (HD 626)  
ČSN 34 7614-4F  
ČSN 34 7614-9F



### Certificate

VDE Germany



### Test Voltage

4 kV / 50 Hz



### Rated Voltage

0.6/1 kV



### Bending radius (min.)

18 x Ø of cable



### Core identification

1, 2 resp. 3 raised longitudinal ribs on the surface of the cores. The surface of the neutral conductor is smooth.



### Temperature range

Laying temperature: min. -20°C  
Operating temperature: -30°C up to 80°C  
Conductor temperature: max. 80°C  
Short circuit temperature: max. 130°C

## DESIGN



1

Aluminium conductor with increased breaking load, round stranded compressed (RM)

2

Core insulation (XLPE black, UV-resistant); 2 or 4 cores of equal cross section are stranded together in left-hand lay, additionally 1 or 2 cores of reduced cross section can be co-stranded

| Number of cores x nominal cross-section [mm <sup>2</sup> ] | Max. conductor resistance (Ω/km) | Min. breaking load of conductor strand (kN) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|---------------------------------------------|-------------------------------|---------------------------|----------------------------|
| 1 x 16 RM*                                                 | 1.91                             | 2.5                                         | 81                            | 8.0                       | 75                         |
| 2 x 16 RM*                                                 | 1.9                              | 2.5                                         | 81                            | 15.6                      | 150                        |
| 4 x 16 RM*                                                 | 1.91                             | 2.5                                         | 81                            | 18.8                      | 290                        |
| 1 x 25 RM                                                  | 1.2                              | 4                                           | 107                           | 9.0                       | 110                        |
| 2 x 25 RM*                                                 | 1.2                              | 4                                           | 107                           | 18.0                      | 210                        |
| 4 x 25 RM                                                  | 1.2                              | 4                                           | 107                           | 21.2                      | 430                        |
| 1 x 35 RM                                                  | 0.868                            | 5.5                                         | 132                           | 10.0                      | 135                        |
| 2 x 35 RM*                                                 | 0.868                            | 5.5                                         | 132                           | 20.0                      | 270                        |
| 4 x 35 RM                                                  | 0.868                            | 5.5                                         | 132                           | 24.1                      | 555                        |
| 1 x 50 RM                                                  | 0.641                            | 8                                           | 165                           | 11.8                      | 185                        |
| 2 x 50 RM*                                                 | 0.641                            | 8                                           | 165                           | 23.5                      | 365                        |
| 4 x 50 RM                                                  | 0.641                            | 8                                           | 165                           | 27.8                      | 750                        |
| 4 x 50 x 25 RM/RM*                                         | 0.641 / 1.2                      | 8                                           | 165                           | 31.9                      | 815                        |
| 4 x 50 x 35 RM/RM*                                         | 0.641 / 0.868                    | 8                                           | 165                           | 31.9                      | 845                        |
| 1 x 70 RM                                                  | 0.443                            | 10.7                                        | 205                           | 13.4                      | 255                        |
| 4 x 70 RM                                                  | 0.443                            | 10.7                                        | 205                           | 31.8                      | 1010                       |
| 4 x 70 x 25 RM/RM*                                         | 0.443 / 1.2                      | 10.7                                        | 205                           | 36.0                      | 1110                       |
| 4 x 70 x 35 RM/RM                                          | 0.443 / 0.868                    | 10.7                                        | 205                           | 36.2                      | 1150                       |
| 4 x 70 + 2 x 35 RM/RM                                      | 0.443 / 0.868                    | 10.7                                        | 205                           | 40.1                      | 1290                       |
| 1 x 95 RM*                                                 | 0.32                             | 13.7                                        | 249                           | 15.4                      | 335                        |
| 4 x 95 RM*                                                 | 0.32                             | 13.7                                        | 249                           | 37.8                      | 1340                       |
| 4 x 95 x 25 RM/RM*                                         | 0.32 / 1.2                       | 13.7                                        | 249                           | 41.8                      | 1440                       |
| 4 x 95 x 35 RM/RM*                                         | 0.32 / 0.868                     | 13.7                                        | 249                           | 41.8                      | 1470                       |
| 4 x 95 + 2 x 25 RM/RM*                                     | 0.32 / 1.2                       | 13.7                                        | 249                           | 42.0                      | 1550                       |
| 1 x 120 RM*                                                | 0.253                            | 18.6                                        | 286                           | 17.0                      | 410                        |
| 4 x 120 RM*                                                | 0.253                            | 18.6                                        | 286                           | 40.5                      | 1600                       |
| 1 x 150 RM*                                                | 0.206                            | 23.2                                        | 334                           | 19.0                      | 505                        |

## CONTACT PERSON

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