

# NFA2X

## XLPE insulated bundled overhead line

### 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

### APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

### TECHNICAL DATA



**Standard:**  
DIN VDE 0276-626 (HD 626)



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
4 kV/50 Hz



**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/5 s



**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.



**Certificate:**  
EZÚ Czech Republic, VDE Germany

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 <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
NFA2X – According to DIN VDE 0276-626						
1 x 25 RM	1.200	4.0	107	9.0	110	1,000 D
4 x 25 RM	1.200	4.0	107	21.2	430	1,000 D
1 x 35 RM	0.868	5.2	132	10.0	135	1,000 D
4 x 35 RM	0.868	5.5	132	24.1	555	1,000 D
1 x 50 RM	0.641	8.0	165	11.8	185	1,000 D
4 x 50 RM	0.641	8.0	165	27.8	750	1,000 D
1 x 70 RM	0.443	10.2	205	13.4	255	1,000 D
4 x 70 RM	0.443	10.7	205	31.8	1,010	1,000 D
4 x 70 + 35 RM/RM	0.443/0.868	10.7/5.5	205/132	36.2	1,150	1,000 D
4 x 70 + 2 x 35 RM/RM	0.443/0.868	10.7/5.5	205/132	40.1	1,290	1,000 D
NFA2X – Adapted to DIN VDE 0276-626						
1 x 16 RM	1.910	2.5	72	8.0	75	1,000 D
2 x 16 RM	1.910	2.5	72	15.6	150	1,000 D
4 x 16 RM	1.910	2.5	72	18.8	290	1,000 D
2 x 25 RM	1.200	4.0	107	18.0	210	1,000 D

## NFA2X

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 <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>NFA2X – Adapted to DIN VDE 0276-626</b>						
2 x 50 RM	0.641	8.0	165	23.5	365	1,000 D
4 x 50 + 25 RM/RM	0.641/1.200	8.0/4.0	165/107	31.9	815	1,000 D
4 x 50 + 35 RM/RM	0.641/0.868	8.5/5.5	165/132	31.9	845	1,000 D
4 x 70 + 25 RM/RM	0.443/1.200	10.7/4.0	205/107	36.0	1,110	1,000 D
1 x 95 RM	0.320	13.7	240	15.4	335	1,000 D
4 x 95 RM/RM	0.320	13.7	240	37.8	1,340	1,000 D
4 x 95 + 25 RM/RM	0.320/1.200	13.7/4.0	240/107	41.8	1,440	1,000 D
4 x 95 + 35 RM/RM	0.320/0.868	13.7/5.5	240/132	41.8	1,470	1,000 D
4 x 95 + 2 x 25 RM/RM	0.320/1.200	13.7/4.0	240/107	42.0	1,550	1,000 D
1 x 120 RM	0.253	18.6	290	17.0	410	1,000 D
1 x 150 RM	0.206	23.2	334	19.0	505	1,000 D

1) basic rated current acc. to DIN VDE 0276-626  
Subject to technical changes.