

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 ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air ¹⁾ (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	100	1,000 D
4 x 25 RM	1.200	4.0	107	21.7	400	1,000 D
1 x 35 RM	0.868	5.2	132	10.0	131	1,000 D
4 x 35 RM	0.868	5.5	132	24.1	527	1,000 D
1 x 50 RM	0.641	8.0	165	11.6	179	1,000 D
4 x 50 RM	0.641	8.0	165	28.0	695	1,000 D
1 x 70 RM	0.443	10.2	205	13.4	240	1,000 D
4 x 70 RM	0.443	10.7	205	32.1	963	1,000 D
4 x 70 + 35 RM/RM	0.443/0.868	10.7/5.5	205/132	36.0	1,098	1,000 D
4 x 70 + 2 x 35 RM/RM	0.443/0.868	10.7/5.5	205/132	39.9	1,231	1,000 D
NFA2X – Adapted to DIN VDE 0276-626						
1 x 16 RM	1.910	2.5	72	7.6	68	1,000 D
2 x 16 RM	1.910	2.5	72	15.2	136	1,000 D
4 x 16 RM	1.910	2.5	72	18.4	272	1,000 D
2 x 25 RM	1.200	4.0	107	18.0	200	1,000 D
2 x 35 RM	0.868	5.5	132	20.0	270	1,000 D

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Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
NFA2X – Adapted to DIN VDE 0276-626						
2 x 50 RM	0.641	8.0	165	23.2	350	1,000 D
4 x 50 + 25 RM/RM	0.641/1.200	8.0/4.0	165/107	31.4	797	1,000 D
4 x 50 + 35 RM/RM	0.641/0.868	8.5/5.5	165/132	31.9	828	1,000 D
4 x 70 + 25 RM/RM	0.443/1.200	10.7/4.0	205/107	36.0	1,071	1,000 D
1 x 95 RM	0.320	13.7	240	15.1	320	1,000 D
4 x 95 RM/RM	0.320	13.7	240	36.4	1,270	1,000 D
4 x 95 + 25 RM/RM	0.320/1.200	13.7/4.0	240/107	40.8	1,382	1,000 D
4 x 95 + 35 RM/RM	0.320/0.868	13.7/5.5	240/132	40.8	1,414	1,000 D
4 x 95 + 2 x 25 RM/RM	0.320/1.200	13.7/4.0	240/107	45.3	1,485	1,000 D
1 x 120 RM	0.253	18.6	290	16.8	378	1,000 D
4 x 120 RM + 1 x 25 RM	0.253	18.6/4.0	290/107	45.4	1,710	1,000 D
1 x 150 RM	0.206	23.2	334	18.5	490	1,000 D

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