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INSULATED OVERHEADLINES

NFA2X

XLPE insulated bundled overhead line

Conductors are designed for outdoor distribution of electrical energy in suspended design.

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, additionaly 1 or 2 cores of reduced cross section can be co-stranded

Number of cores x nominal cross-section [mm²]	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	250	15.4	335
4 x 95 RM*	0.32	13.7	250	37.8	1340
4 x 95 x 25 RM/RM*	0.32 / 1.2	13.7	250	41.8	1440
4 x 95 x 35 RM/RM*	0.32 / 0.868	13.7	250	41.8	1470
4 x 95 + 2 x 25 RM/RM*	0.32 / 1.2	13.7	250	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

Technical changes reserved. All figures are therefore without guarantee.

EPD
INTERNATIONAL EPD SYSTEM

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