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INSULATED OVERHEADLINES

(N)FA2X-OT

XLPE insulated bundled overhead line with tube

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

TECHNICAL DATA

Standard
adapted to 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
3. HDPE Tube (black, UV-resistant)

Number of cores x nominal cross-section [mm²]	Tube size	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)
2 x 16 RM	+ OT 12/8 UV	1.9	2.5	81	15.6	150
4 x 16 RM	+ OT 12/8 UV	1.91	2.5	81	18.8	290
4 x 70 RM	+ OT 12/8 UV	0.443	10.7	205	31.8	1010

Technical changes reserved. All figures are therefore without guarantee.

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