

NFA2X

AL/XLPE



LOW VOLTAGE BUNDLED ALUMINUM OVERHEAD CABLE

Construction

Phase conductor:	round Al conductor, multi wire stranded compacted (RM), class 2 acc. to HRN HD 383, phase conductors are marked with longitudinal protrusions (one, two or three)
Neutral (supporting) conductor:	round conductor, multi wire stranded compacted (RM), class 2 acc. to HRN HD 383, of aluminium alloy
Insulation:	XLPE (cross-linked polyethylene, recent mark: PE-X) compound TIX-2 or TIX-5 acc. to HD 626 S1
Insulation colour:	Black Ral 9005



Technical data

Temperature range:

During installation :	-5 °C
during operation:	-30 °C up to +80 °C
at short circuit of max.	max. +130

ambient temperature at storage:	up to 40 °C
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Nominal voltage:	U ₀ /U = 0.6/1 KV
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Test voltage:core/core	4.0 KV AC for 5 Min
	10.0 KV AC for 15 Min

Minimal inner bending radius:	12 X Cable Ø
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maximum permitted operating voltage in 3-phase systems:	1.2KV
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DESIGN STANDARDS

HRN HD 626 S1
DIN VDE 0276 part 626

APPLICATION

Self-supporting overhead cable bundle, applied for electric power distribution in low voltage metropolitan, suburban and rural networks, for public lighting and house connections. Laid on pillars, consoles and house fronts.

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Size	Number/Diameter			Insulation Thickness			Approx. Diameter			Approx. Twisted Diameter	Approx. Net Weight	Standard Quantity Per Reel
	Phase	Neutral	Lighting	Phase	Neutral	Lighting	Phase	Neutral	Lighting			
	AL	ALOY	AL	Phase	Neutral	Lighting	Phase	Neutral	Lighting			
mm ²	pcs/mm	pcs/mm	pcs/mm	mm	mm	mm	mm	mm	mm	mm	kg/km	m
2x25+25	7/2.13	7/2.13	-	1.4	1.4	-	9.2	9.2	-	21	338	1,000
2x35+25	7/2.52	7/2.13	-	1.6	1.4	-	10.8	9.2	-	24	394	1,000
2x50+35	7/3.02	7/2.52	-	1.6	1.6	-	12.3	10.8	-	26	526	1,000
2x70+50	19/2.17	7/3.02	-	1.8	1.6	-	14.5	12.3	-	31	760	1,000
2x95+70	19/2.52	19/2.52	-	2.0	1.8	-	16.6	16.2	-	36	975	1,000
3x25+25	7/2.13	7/2.13	-	1.4	1.4	-	9.2	9.2	-	24	425	1,000
3x35+25	7/2.52	7/2.13	-	1.6	1.4	-	10.8	9.2	-	27	537	1,000
3x50+35	7/3.02	7/2.52	-	1.6	1.6	-	12.3	10.8	-	30	717	1,000
3x70+50	19/2.17	7/3.02	-	1.8	1.6	-	15	12.3	-	36	1,057	1,000
3x95+70	19/2.52	19/2.52	-	2.0	1.8	-	16.6	16.2	-	40	1,340	1,000

Size

Number/Diameter

1

0

5

0

8

0

0

0

9

9

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Dimensional Data

Size	Number/Diameter			Insulation Thickness			Approx. Diameter			Approx. Twisted Diameter	Approx. Net Weight	Standard Quantity Per Reel
	Phase	Neutral	Lighting	Phase	Neutral	Lighting	Phase	Neutral	Lighting			
mm ²	AL	ALOY	AL	mm	mm	mm	mm	mm	mm	mm	kg/km	m
3x25+25+2x16	7/2.13	7/2.13	7/1.71	1.4	1.4	1.2	9.2	9.2	7.5	32	598	1,000
3x35+25+2x16	7/2.52	7/2.13	7/1.71	1.6	1.4	1.2	10.8	9.2	7.5	34	683	1,000
2x50+35+2x16	7/3.02	7/2.52	7/1.71	1.6	1.6	1.2	12.3	10.8	7.5	40	863	1,000
2x70+50+2x16	19/2.17	7/3.02	7/1.71	1.8	1.6	1.2	14.5	12.3	7.5	48	1130	1,000
2x95+70+2x16	19/2.52	19/2.52	7/1.71	2.	1.8	1.2	16.6	16.2	7.5	55	1410	1,000
3x25+25+16	7/2.13	7/2.13	7/1.71	1.4	1.4	1.2	9.2	9.2	7.5	32	528	1,000
3x35+25+16	7/2.52	7/2.13	7/1.71	1.6	1.4	1.2	10.8	9.2	7.5	34	613	1,000
3x50+35+16	7/3.02	7/2.52	7/1.71	1.6	1.6	1.2	12.3	10.8	7.5	40	793	1,000
3x70+50+16	19/2.17	7/3.02	7/1.71	1.8	1.6	1.2	14.5	12.3	7.5	48	1060	1,000
3x95+70+16	19/2.52	19/2.52	7/1.71	2.0	1.8	1.2	16.6	16.2	7.5	55	1340	1,000

Electrical Data

Size	Number/Diameter			
	1.380			
	41		1	
	.443	690	. 1	196
	0.32	0.450		
		1.3	1.91	
			1.91	