

➤ *Low Voltage Stranded Insulated Cables with insulated neutral conductor*

No.	Features	Unit	Proposal
1	Manufacturer	-	SAHRA KABLO
2	Manufacturing site (State)	-	ÜMRANIYE - İSTANBUL
3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	3 x 35 + 25
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,60
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	10,1 / 25,0
9	Nominal current	A	138
10	Acceptable short-circuit current for 1 s	kA	2,0
11	Resistance at 20°C	Ω/km	0,868 / 1,380
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	1,06
14	Acceptable force of drawing	kN	7,40
15	Aluminium weight	kg/km	285
16	Weight of the aluminium alloy	kg/km	66
17	Weight of conductor	kg/km	351
18	Type and dimensions of the drum	/	Upon Request
19	Warranty period	Years	2 years
20	Design service life	Years	>10 years

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3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	3 x 35 + 54,6
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,60
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	10,1 / 33,0
9	Nominal current	A	138
10	Acceptable short-circuit current for 1 s	kA	2,0
11	Resistance at 20°C	Ω/km	0,868 / 0,630
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	2,37
14	Acceptable force of drawing	kN	16,6
15	Aluminium weight	kg/km	285
16	Weight of the aluminium alloy	kg/km	149
17	Weight of conductor	kg/km	434
18	Type and dimensions of the drum	/	Upon Request
19	Warranty period	Years	2 years
20	Design service life	Years	>10 years

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3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	3 x 70 + 54,6
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,80
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	13,3 / 38,0
9	Nominal current	A	213
10	Acceptable short-circuit current for 1 s	kA	4,0
11	Resistance at 20°C	Ω/km	0,443 / 0,630
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	2,37
14	Acceptable force of drawing	kN	16,6
15	Aluminium weight	kg/km	550
16	Weight of the aluminium alloy	kg/km	149
17	Weight of conductor	kg/km	699
18	Type and dimensions of the drum	/	Upon Request
19	Warranty period	Years	2 years
20	Design service life	Years	>10 years

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3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	3 x 150 + 70
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,70
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	17,6 / 48,0
9	Nominal current	A	344
10	Acceptable short-circuit current for 1 s	kA	8,4
11	Resistance at 20°C	Ω/km	0,206 / 0,500
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	2,93
14	Acceptable force of drawing	kN	20,5
15	Aluminium weight	kg/km	1230
16	Weight of the aluminium alloy	kg/km	181
17	Weight of conductor	kg/km	1411
18	Type and dimensions of the drum	/	Upon Request
19	Warranty period	Years	2 years
20	Design service life	Years	>10 years

## ENCLOUSER 4.2

➤ *Stranded insulated low voltage cables – self-bearing type*

No.	Features	Unit	Proposal
1	Manufacturer	-	SAHRA KABLO
2	Manufacturing site (State)	-	ÜMRANIYE - İSTANBUL
3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	2 x 16
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,2
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	7,2 / 15,3
9	Nominal current	A	93
10	Acceptable short-circuit current for 1 sec	kA	0,9
11	Resistance at 20°C	Ω/km	1,91
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	0,4
14	Acceptable force of drawing	kN	5,64
15	Aluminium weight (al / cable)	kg/km	87 / 135
16	Type of conductor	-	Class 2
17	Type and dimensions of the drum	/	Upon Request
18	Warranty period	Years	2 years
19	Design service life	Years	>10 years

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1	Manufacturer	-	SAHRA KABLO
2	Manufacturing site (State)	-	ÜMRANIYE - İSTANBUL
3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	4 x 16
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,2
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	7,2 / 18,0
9	Nominal current	A	83
10	Acceptable short-circuit current for 1 sec	kA	0,9
11	Resistance at 20°C	Ω/km	1,91
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	0,4
14	Acceptable force of drawing	kN	11,28
15	Aluminium weight (al / cable)	kg/km	175 / 265
16	Type of conductor	-	Class 2
17	Type and dimensions of the drum	/	Upon Request
18	Warranty period	Years	2 years
19	Design service life	Years	>10 years

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1	Manufacturer	-	SAHRA KABLO
2	Manufacturing site (State)	-	ÜMRANIYE - İSTANBUL
3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	4 x 25
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,4
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	8,7 / 21,2
9	Nominal current	A	111
10	Acceptable short-circuit current for 1 sec	kA	1,4
11	Resistance at 20°C	Ω/km	1,20
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	0,6
14	Acceptable force of drawing	kN	16,8
15	Aluminium weight (al / cable)	kg/km	265 / 390
16	Type of conductor	-	Class 2
17	Type and dimensions of the drum	/	Upon Request
18	Warranty period	Years	2 years
19	Design service life	Years	>10 years

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2	Manufacturing site (State)	-	ÜMRANIYE - İSTANBUL
3	Type	-	NFA2X
4	Number and section of insulated wires	pcs x mm <sup>2</sup>	4 x 35
5	Insulation material	-	XLPE
6	Thickness of insulation	mm	1,6
7	Colour of the insulation	-	BLACK
8	Outside diameter (OD) (core / cable)	mm	10,10 / 24,50
9	Nominal current	A	131
10	Acceptable short-circuit current for 1 sec	kA	2,0
11	Resistance at 20°C	Ω/km	0,868
12	Bending radius	mm	18 x OD
13	Minimum strength of wire breaking	kN	0,82
14	Acceptable force of drawing	kN	22,9
15	Aluminium weight (al / cable)	kg/km	375 / 535
16	Type of conductor	-	Class 2
17	Type and dimensions of the drum	/	Upon Request
18	Warranty period	Years	2 years
19	Design service life	Years	>10 years



No.	Type	Unit	AL alloy, kg/km	Al, kg/km
<i>Low Voltage Stranded Insulated Cables with insulated neutral conductor</i>				
1	3x35+25	meter	66	285
2	3x35+54.6	meter	149	285
3	3x70+54,6	meter	149	550
4	3x150+70 mm <sup>2</sup>	meter	181	1230
<i>Stranded insulated low voltage cables – self-bearing type</i>				
1	2x16	meter	—	87
2	4x16	meter	—	175
3	4x25	meter	—	265
4	4x35	meter	—	375