NFA2X
0,6 - 1 kV

TRIO GLOBAL KABEL

0.6/1kV XLPE insulated or PE insulated aerial power cables with aluminium conductor

Standards: HD 604 S1, NFC 33 209

Technical Data
Max. operating temperature : 90 °C
Max. short circuit temperature : 250 °C (max. 5 sec.)
Rated voltage : 0.6/1 kV

It is prefered to use of ABC cables instead of uninsulated conductors at low voltage networks. ABC cables are especially used at areas where the cost of underground networks is expensive and also for electrification of rural areas like villages.

Construction

1 Solid or stranded aluminium conductor ● PE or XLPE insulation 3 Messenger wire

Number of conductor cross section	INSULATED WIRES							MESSENGER WIRE			FINISHED CABLE	
	Conductor size	Number of wires	Diameter of conductors	Resistance of 20 °C	Current Carrying Capacity	Conductor size	Current Carrying Capacity	Diameter of Messenger Wire	Minimum Tensile Strenght	Maximum Resistance of 20 °C	App.Max. Bundle Diameter	App. Net Weight
mm²	mm²	Adet	mm	ohm/km	A	mm²	A	mm	kN	ohm/km	mm	kg/km
2x16	2x16	7	4.6	1.91	93	-	-	-	-	-	15	132
2x25	2x25	7	5.9	1.20	122	-	-	-	-	-	18,5	200
2x35	2x35	7	6.9	0.868	129	-	-	-	-	-	22	280
2x50	2x50	7	8.1	0.641	158	-	-	-	-	-	24	370
4x16	4x16	7	4.6	1.91	83	-	-	-	-	-	18	265
4x25	4x25	7	5.9	1x20	111	-	-	-	-	-	22	400
4x35	4x35	7	6.9	0.868	131	-	-	-	-	-	26	550
3x25+54.6	3x25	7	5.9	1.20	112	-	-	9.6	16.0	0.63	30	470
3x25+1x16+54.6	3x25	7	5.9	1.20	112	1x16	60	9.6	16.0	0.63	30	570
3x25+2x16+54.6	3x25	7	5.9	1.20	112	2x16	-	9.6	16.0	0.63	30	640
3x35+54.6	3x35	7	6.9	0.86	138	-	-	9.6	16.0	0.63	33	580
3x35+1x16+54.6	3x35	7	6.9	0.868	138	1x16	60	9.6	16.0	063	33	690
3x35+2x16+54.6	3x35	7	6.9	0.868	138	2x16	-	9.6	16.0	0.63	33	750
3x50+54.6	3x50	7	8.1	0.641	168	-	-	9.6	16.0	0.63	36	720
3x50+1x16+54.6	3x50	7	8.1	0.641	168	1x16	60	9.6	16.0	0.63	36	820
3x50+2x16+54.6	3x50	7	8.1	0.641	168	2x16	-	9.6	16.0	0.63	36	890
3x70+54.6	3x70	12	9.7	0.443	213	-	-	9.6	16.0	0.63	38	930
3x70+1x16+54.6	3x70	12	9.7	0.443	213	1x16	60	9.6	16.0	0.63	38	1030
3x70+2x16+54.6	3x70	12	9.7	0.443	213	2x16	-	9.6	16.0	0.63	38	1100
3x70+1x25+54.6	3x70	12	9.7	0.443	213	1x25	-	9.6	16.0	0.63	40	1070
3x70+2x25+54.6	3x70	12	9.7	0.443	213	2x25	-	9.6	16.0	0.63	40	1170
3x70+70	3x70	12	9.7	0.443	213	-	-	10.2	20.6	0.50	41	970
3x70+1x16+70	3x70	12	9.7	0.443	213	1x16	60	10.2	20.6	0.50	41	1080
3x70+2x16+70	3x70	12	9.7	0.443	213	2x16	-	10.2	20.6	0.50	41	1150
3x95+70	3x95	19	11.5	0.320	258	-	-	10.2	20.6	0.50	44	1200
3x95+1x16+70	3x95	19	11.5	0.320	258	1x16	60	10.2	20.6	0.50	44	1300
3x95+2x16+70	3x95	19	11.5	0.320	258	2x16	-	10.2	20.6	0.50	44	1380
3x120+70	3x120	19	12.8	0.253	300	-	-	10.2	20.6	0.50	46	1430
3x120+1x16+70	3x120	19	12.8	0.253	300	1x16	60	10.2	20.6	0.50	46	1540

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mm²	mm²	Adet	mm	ohm/km	A	mm²	A	mm	kN	ohm/km	mm	kg/km
3x120+2x16+70	3x120	19	12.8	0.253	300	2x16	-	10.2	20.6	0.50	46	1600
3x150+70	3x150	19	14.5	0.206	344	-	-	10.2	20.6	0.50	48	1680
3x150+1x16+70	3x150	19	14.5	0.206	344	1x16	60	10.2	20.6	0.50	48	1780
3x150+2x16+70	3x150	19	14.5	0.206	344	2x16	-	10.2	20.6	0.50	48	1850
3x120+95	3x120	19	12.8	0.253	300	-	-	12.9	27.9	0.343	47	1500
3x120+1x16+95	3x120	19	12.8	0.253	300	1x16	60	12.9	27.9	0.343	47	1620
3x120+2x16+95	3x120	19	12.8	0.253	300	2x16	-	12.9	27.9	0.343	47	1680
3x150+95	3x150	19	14.5	0.206	344	-	-	12.9	27.9	0.343	49	1740
3x150+1x16+95	3x150	19	14.5	0.206	344	1x16	60	12.9	27.9	0.343	49	1880
3x150+2x16+95	3x150	19	14.5	0.206	344	2x16	-	12.9	27.9	0.343	49	1940

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