



# NAYY

Low Voltage Cables



## DESCRIPTION

The NAYY cable is a versatile low-voltage cable with an aluminium conductor, designed for fixed installation in buildings, underground, in water, or outdoors. It provides a cost-effective solution for

## TECHNICAL DATA

<b>Copper screen</b>	No	<b>CPR class</b>	Eca
<b>Flame retardant</b>	IEC 60332-1-2	<b>Insulation</b>	PVC
<b>Insulation color</b>	HD 308 S2	<b>Max operating temp</b>	70
<b>Max short-circuit temp</b>	<= 300 mm <sup>2</sup> : +160, > 300 mm <sup>2</sup> : +140	<b>Min laying temp</b>	-5
<b>Min storage temp</b>	-35	<b>Operating temp range</b>	- 35 - +70
<b>Packaging</b>	cable drums	<b>Rated voltage</b>	0.6/1
<b>Rbv</b>	15xD (Single core); 12xD (Multi core)	<b>RoHS/REACH</b>	yes/yes
<b>Sheath</b>	PVC	<b>Sheath color</b>	black
<b>Test voltage</b>	4		

## CROSS-SECTION DATA — 0.6/1 kV

Cores & cross-section	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	Iso	Sh	T <sub>op_max</sub> [C]	T <sub>sc_max</sub> [C]	T <sub>range</sub> [C]	T <sub>st_min</sub> [C]	T <sub>lay_n</sub>	
1x16	1.91	1	1.8	12xD	CU	0.2k	PVC	PVC	70	300 mm <sup>2</sup> : +140	-35- +70	-35	-5	4
1x25	1.2	1.2	1.8	12xD	AL	0.2k	PVC	PVC	70	300 mm <sup>2</sup> : +140	-35- +70	-35	-5	4
1x25	1.2	1.2	1.8	12xD	AL	0.2k	PVC	PVC	70	300 mm <sup>2</sup> : +140	-35- +70	-35	-5	4
1x35	0.868	1.2	1.8	12xD	AL	0.2k	PVC	PVC	70	300 mm <sup>2</sup> : +140	-35- +70	-35	-5	4



## NAYY CROSS-SECTION DATA — 0.6/1 kV

Cores & cross-section	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	Iso	Sh	T <sub>op_max</sub> [C]	T <sub>sc_max</sub> [C]	T <sub>range</sub> [C]	T <sub>st_min</sub> [C]	T <sub>lay_n</sub>
1x35	0.868	1.2	1.8	12xD	AL	0.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x50	0.641	1.4	1.8	12xD	AL	0.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x70	0.443	1.4	1.8	12xD	AL	0.4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x95	0.32	1.6	1.8	12xD	AL	0.5k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x120	0.253	1.6	1.8	12xD	AL	0.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x150	0.206	1.8	1.8	12xD	AL	0.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x185	0.164	2	1.8	12xD	AL	0.9k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x240	0.125	2.2	1.8	12xD	AL	1.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x300	0.1	2.4	1.9	12xD	AL	1.4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x400	0.0778	2.6	2	12xD	AL	1.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x500	0.0605	2.8	2.1	12xD	AL	2.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
1x630	0.0469	2.8	2.2	12xD	AL	2.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
2x16	1.91	1	1.8	12xD	AL	0.5k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x16	1.91	1	1.8	12xD	AL	0.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x25	1.2	1.2	1.8	12xD	AL	0.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x35	0.868	1.2	1.8	12xD	AL	1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x50	0.641	1.4	1.8	12xD	AL	1.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x70	0.443	1.4	2	12xD	AL	1.4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x95	0.32	1.6	2.1	12xD	AL	1.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x120	0.253	1.6	2.2	12xD	AL	2.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x150	0.206	1.8	2.3	12xD	AL	2.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x185	0.164	2	2.5	12xD	AL	3.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x240	0.125	2.2	2.7	12xD	AL	4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x300	0.1	2.4	2.9	12xD	AL	4.9k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x35+16	0.868	1.2/1.0	1.8	12xD	AL	1.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x50+25	0.641	1.4/1.2	1.9	12xD	AL	1.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x70+35	0.443	1.4/1.2	2	12xD	AL	1.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x95+50	0.32	1.6/1.4	2.2	12xD	AL	2.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x120+70	0.253	1.6/1.4	2.3	12xD	AL	2.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x150+70	0.206	1.8/1.4	2.4	12xD	AL	3.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x185+95	0.164	2.0/1.6	2.6	12xD	AL	3.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
3x240+120	0.125	2.2/1.6	2.8	12xD	AL	4.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x16	1.91	1	1.8	12xD	AL	0.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x25	1.2	1.2	1.8	12xD	AL	1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x25	1.2	1.2	1.8	12xD	AL	1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x35	0.868	1.2	1.8	12xD	AL	1.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x35	0.868	1.2	1.8	12xD	AL	1.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
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4x50	0.641	1.4	1.9	12xD	AL	1.5k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x50	0.641	1.4	1.9	12xD	AL	1.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x50	0.641	1.4	1.9	12xD	AL	1.4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x70	0.443	1.4	2.1	12xD	AL	1.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x70	0.443	1.4	2.1	12xD	AL	1.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x95	0.32	1.6	2.2	12xD	AL	2.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x95	0.32	1.6	2.2	12xD	AL	2.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x120	0.253	1.6	2.4	12xD	AL	2.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x120	0.253	1.6	2.4	12xD	AL	2.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x150	0.206	1.8	2.5	12xD	AL	3.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
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4x185	0.164	2	2.7	12xD	AL	4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
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4x240	0.125	2.2	2.9	12xD	AL	5.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
4x300	0.1	2.4	3.1	12xD	AL	6.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x16	1.91	1	1.8	12xD	AL	0.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x25	1.2	1.2	1.8	12xD	AL	1.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4



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5x25	1.2	1.2	1.8	12xD	AL	1.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x35	0.868	1.2	1.9	12xD	AL	1.4k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
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5x50	0.641	1.4	2.1	12xD	AL	2.1k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x50	0.641	1.4	2.1	12xD	AL	1.8k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x70	0.443	1.4	2.2	12xD	AL	2.7k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x70	0.443	1.4	2.2	12xD	AL	2.3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x95	0.32	1.6	2.4	12xD	AL	3.5k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x95	0.32	1.6	2.4	12xD	AL	3k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x120	0.253	1.6	2.5	12xD	AL	4.2k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4
5x120	0.253	1.6	2.5	12xD	AL	3.6k	PVC	PVC	70	300 mm2: +140 -35- +70	-35	-5	4