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 power distribution under normal mechanical requirements - ideal for local networks, industrial facilities, and power supply systems.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Eca
Maximal operating conductor temperature (°C)	70 °C	**Maximal short-circuit temperature (°C)**	300 mm2: +140 °C
Minimal storage temperature (°C)	-35 °C	**Minimal temperature for laying (°C)**	-5 °C
Operating temperature range (°C)	-35-+70 °C	**Rated voltage (kV)**	0.6/1 kV
Self-extinguishing of single cable	IEC 60332-1-2	**Test voltage (kV)**	4 kV

CROSS-SECTION DATA — 0.6/1 kV

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x16	Al	RE	1.91	1	1.8	12xD	11	153
1x25	Al	RE	1.2	1.2	1.8	12xD	12	196
1x25	Al	RMV	1.2	1.2	1.8	12xD	12	213
1x35	Al	RE	0.868	1.2	1.8	12xD	13	236
1x35	Al	RMV	0.868	1.2	1.8	12xD	14	256
1x50	Al	RMV	0.641	1.4	1.8	12xD	15	322
1x70	Al	RMV	0.443	1.4	1.8	12xD	17	406
1x95	Al	RMV	0.32	1.6	1.8	12xD	19	519
1x120	Al	RMV	0.253	1.6	1.8	12xD	20	610
1x150	Al	RMV	0.206	1.8	1.8	12xD	22	738
1x185	Al	RMV	0.164	2	1.8	12xD	25	897
1x240	Al	RMV	0.125	2.2	1.8	12xD	27	1106
1x300	Al	RMV	0.1	2.4	1.9	12xD	30	1371
1x400	Al	RMV	0.0778	2.6	2	12xD	34	1714
1x500	Al	RMV	0.0605	2.8	2.1	12xD	37	2135
1x630	Al	RMV	0.0469	2.8	2.2	12xD	41	2631
2x16	Al	RE	1.91	1	1.8	12xD	19	526
3x16	Al	RE	1.91	1	1.8	12xD	20	586
3x25	Al	RMV	1.2	1.2	1.8	12xD	24	841
3x35	Al	RMV	0.868	1.2	1.8	12xD	27	1022
3x50	Al	SM	0.641	1.4	1.8	12xD	28	1094
3x70	Al	SM	0.443	1.4	2	12xD	31	1428
3x95	Al	SM	0.32	1.6	2.1	12xD	36	1835
3x120	Al	SM	0.253	1.6	2.2	12xD	38	2150
3x150	Al	SM	0.206	1.8	2.3	12xD	43	2633
3x185	Al	SM	0.164	2	2.5	12xD	47	3183
3x240	Al	SM	0.125	2.2	2.7	12xD	53	4048
3x300	Al	SM	0.1	2.4	2.9	12xD	58	4887
3x35+16	Al	RE	0.868	1.2/1.0	1.8	12xD	27	1081
3x50+25	Al	SM/RMV	0.641	1.4/1.2	1.9	12xD	30	1338
3x70+35	Al	SM/RMV	0.443	1.4/1.2	2	12xD	34	1707
3x95+50	Al	SM	0.32	1.6/1.4	2.2	12xD	39	2158
3x120+70	Al	SM	0.253	1.6/1.4	2.3	12xD	42	2603
3x150+70	Al	SM	0.206	1.8/1.4	2.4	12xD	47	3069
3x185+95	Al	SM	0.164	2.0/1.6	2.6	12xD	51	3730
3x240+120	Al	SM	0.125	2.2/1.6	2.8	12xD	58	4727

4x16	Al	RE	1.91	1	1.8	12xD	22	679
4x25	Al	RE	1.2	1.2	1.8	12xD	26	954
4x25	Al	RMV	1.2	1.2	1.8	12xD	26	989
4x35	Al	RE	0.868	1.2	1.8	12xD	28	1160
4x35	Al	RMV	0.868	1.2	1.8	12xD	29	1207
4x35	Al	SM	0.868	1.2	1.8	12xD	26	1064
4x50	Al	RE	0.641	1.4	1.9	12xD	32	1547
4x50	Al	SE	0.641	1.4	1.9	12xD	30	1340
4x50	Al	SM	0.641	1.4	1.9	12xD	31	1431
4x70	Al	SE	0.443	1.4	2.1	12xD	33	1706
4x70	Al	SM	0.443	1.4	2.1	12xD	34	1816
4x95	Al	SE	0.32	1.6	2.2	12xD	37	2216
4x95	Al	SM	0.32	1.6	2.2	12xD	39	2338
4x120	Al	SE	0.253	1.6	2.4	12xD	41	2695
4x120	Al	SM	0.253	1.6	2.4	12xD	43	2818
4x150	Al	SE	0.206	1.8	2.5	12xD	44	3152
4x150	Al	SM	0.206	1.8	2.5	12xD	48	3396
4x185	Al	SE	0.164	2	2.7	12xD	50	3973
4x185	Al	SM	0.164	2	2.7	12xD	53	4181
4x240	Al	SE	0.125	2.2	2.9	12xD	56	4935
4x240	Al	SM	0.125	2.2	2.9	12xD	59	5234
4x300	Al	SM	0.1	2.4	3.1	12xD	65	6343
5x16	Al	RE	1.91	1	1.8	12xD	24	796
5x25	Al	RE	1.2	1.2	1.8	12xD	28	1147
5x25	Al	RMV	1.2	1.2	1.8	12xD	29	1189
5x35	Al	RE	0.868	1.2	1.9	12xD	31	1369
5x35	Al	RMV	0.868	1.2	1.9	12xD	32	1424
5x50	Al	RMV	0.641	1.4	2.1	12xD	37	2088
5x50	Al	SM	0.641	1.4	2.1	12xD	35	1805
5x70	Al	RMV	0.443	1.4	2.2	12xD	42	2659
5x70	Al	SM	0.443	1.4	2.2	12xD	40	2316
5x95	Al	RMV	0.32	1.6	2.4	12xD	48	3549
5x95	Al	SM	0.32	1.6	2.4	12xD	45	3032
5x120	Al	RMV	0.253	1.6	2.5	12xD	52	4206
5x120	Al	SM	0.253	1.6	2.5	12xD	49	3586