



LOW VOLTAGE CABLES

NAYY



APPLICATION

The NAYY is a power distribution cable according to VDE 0276-603, particularly suitable for use in power plants, local networks, industrial facilities, and switching stations. Thanks to its robust design, it can be installed permanently - whether indoors, in cable ducts, outdoors, or underground. Even when installed in water, the cable remains reliable in operation.

TECHNICAL DATA

SCREEN	No
MAX. PERMISSIBLE CONDUCTOR TEMPERATURE (°C)	70 °C
MAXIMUM SHORT-CIRCUIT TEMPERATURE (°C)	300 mm ² : +140 °C
MINIMUM LAYING TEMPERATURE (°C)	-5 °C
BENDING RADIUS (MM)	15/12xD mm
CPR CLASS	Eca
FLAME RETARDANT	IEC 60332-1-2
MINIMUM STORAGE TEMPERATURE (°C)	-35 °C
OPERATING TEMPERATURE RANGE (°C)	-35-+70 °C
RATED VOLTAGE (KV)	0.6/1 kV
TEST VOLTAGE (KV)	4 kV



CROSS-SECTIONS/VOLTAGE — 0.6/1 KV

CORES & CROSS-SECTION	COND.	SHAPE	RI [OHM/KM]	WI [MM]	WM [MM]	RBV [MM]	Ø [MM]	G [KG/KM]
1x25	Al	RMV	1.2	1.2	1.8	12xD	12	213
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
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
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
4x25	Al	RMV	1.2	1.2	1.8	12xD	26	989
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	SM	0.641	1.4	1.9	12xD	31	1431
4x70	Al	SM	0.443	1.4	2.1	12xD	34	1816
4x95	Al	SM	0.32	1.6	2.2	12xD	39	2338
4x120	Al	SM	0.253	1.6	2.4	12xD	43	2818
4x150	Al	SM	0.206	1.8	2.5	12xD	48	3396
4x185	Al	SM	0.164	2	2.7	12xD	53	4181
4x240	Al	SM	0.125	2.2	2.9	12xD	59	5234
4x300	Al	SM	0.1	2.4	3.1	12xD	65	6343
5x25	Al	RMV	1.2	1.2	1.8	12xD	29	1189
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