NIEDERSPANNUNGSKABEL

NAY2Y



APPLICATION

The NAY2Y cable is an especially robust low-voltage cable with an aluminium conductor and an HDPE sheath, specifically developed for installations with high mechanical stress. It stands out for its durability in demanding environments - whether in industrial facilities, transformer stations, or local networks.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Fca
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	no	**Test voltage (kV)**	4 kV

CONFIGURATIONS — 0.6/1 KV

Cores & CS	Cond.	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x16	Al	RE	1.91	1	1.8	12xD	11	122
1x25	Al	RE	1.2	1.2	1.8	12xD	12	171
1x35	Al	RE	0.868	1.2	1.8	12xD	13	209
1x50	Al	RMV	0.641	1.4	1.8	12xD	15	277
1x70	Al	RMV	0.443	1.4	1.8	12xD	17	356
1x95	Al	RMV	0.32	1.6	1.8	12xD	19	464
1x120	Al	RMV	0.253	1.6	1.8	12xD	20	549
1x150	Al	RMV	0.206	1.8	1.8	12xD	22	670
1x185	Al	RMV	0.164	2	1.8	12xD	25	821
1x240	Al	RMV	0.125	2.2	1.8	12xD	27	1035

1x300	Al	RMV	0.1	2.4	1.9	12xD	30	1273
1x400	Al	RMV	0.0778	2.6	2	12xD	34	1598
1x500	Al	RMV	0.0605	2.8	2.1	12xD	37	2001
3x10	Al	RE	3.08	1	1.8	12xD	18	398
3x16	Al	RE	1.91	1	1.8	12xD	20	523
3x25	Al	RE	1.2	1.2	1.8	12xD	24	735
3x35	Al	RE	0.868	1.2	1.8	12xD	26	903
3x50	Al	SE	0.641	1.4	1.8	12xD	27	955
3x70	Al	SE	0.443	1.4	2	12xD	31	1263
3x95	Al	SE	0.32	1.6	2.1	12xD	34	1625
3x120	Al	SE	0.253	1.6	2.2	12xD	37	1911
3x150	Al	SE	0.206	1.8	2.3	12xD	41	2329
3x185	Al	SE	0.164	2	2.5	12xD	45	2821
3x240	Al	SE	0.125	2.2	2.7	12xD	50	3573
3x35+16	Al	RE	0.868	1.2/1.0	1.8	12xD	27	981
3x50+25	Al	SM/RMV	0.641	1.4/1.2	1.9	12xD	30	1222
3x70+35	Al	SM/RMV	0.443	1.4/1.2	2	12xD	34	1582
3x95+50	Al	SM	0.32	1.6/1.4	2.2	12xD	39	2004
3x120+70	Al	SM	0.253	1.6/1.4	2.3	12xD	42	2429
3x150+70	Al	SM	0.206	1.8/1.4	2.4	12xD	47	2854
3x185+95	Al	SM	0.164	2.0/1.6	2.6	12xD	51	3492
3x240+120	Al	SM	0.125	2.2/1.6	2.8	12xD	58	4437
4x16	Al	RE	1.91	1	1.8	12xD	22	611
4x16	Al	RMV	1.91	1	1.8	12xD	23	649
4x25	Al	RE	1.2	1.2	1.8	12xD	26	873
4x25	Al	RMV	1.2	1.2	1.8	12xD	26	906
4x35	Al	RE	0.868	1.2	1.8	12xD	28	1071
4x50	Al	SE	0.641	1.4	1.9	12xD	30	1238
4x50	Al	SM	0.641	1.4	1.9	12xD	31	1324
4x70	Al	SE	0.443	1.4	2.1	12xD	33	1591
4x95	Al	SE	0.32	1.6	2.2	12xD	37	2068
4x120	Al	SE	0.253	1.6	2.4	12xD	41	2518
4x150	Al	SE	0.206	1.8	2.5	12xD	45	3013
4x150	Al	SM	0.206	1.8	2.5	12xD	48	3183
4x185	Al	SE	0.164	2	2.7	12xD	50	3732
4x185	Al	SM	0.164	2	2.7	12xD	53	3928
4x240	Al	SE	0.125	2.2	2.9	12xD	56	4648
4x240	Al	SM	0.125	2.2	2.9	12xD	59	4929
5x16	Al	RE	1.91	1	1.8	12xD	24	721
5x25	Al	RE	1.2	1.2	1.8	12xD	28	1059
5x35	Al	RE	0.868	1.2	1.9	12xD	31	1320
5x50	Al	SM	0.641	1.4	2	12xD	35	1661
5x70	Al	SM	0.443	1.4	2.2	12xD	40	2137

5x95	Al	SM	0.32	1.6	2.4	12xD	45	2816
5x120	Al	SM	0.253	1.6	2.5	12xD	49	3342