NAY2Y

Low Voltage Cables

DESCRIPTION

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)	15xD (Single core); 12xD (Multi core) 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

CROSS-SECTION DATA — 0.6/1 kV

Voltage	0.6/1 kV
Test voltage	4 kV
Operating temperature range	-35-+70 °C
Conductor temperature (max.)	70 °C
Short-circuit temperature (max.)	300 mm2: +140 °C
Minimum laying temperature	-5 °C
Minimum storage temperature	-35 °C
CPR class	Fca
Flame retardant	no

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x16	RE	1.91	1	1.8	15xD (Single core); 12xD (Multi core)	11	122
1x25	RE	1.2	1.2	1.8	15xD (Single core); 12xD (Multi core)	12	171
1x35	RE	0.868	1.2	1.8	15xD (Single core); 12xD (Multi core)	13	209
1x50	RMV	0.641	1.4	1.8	15xD (Single core); 12xD (Multi core)	15	277
1x70	RMV	0.443	1.4	1.8	15xD (Single core); 12xD (Multi core)	17	356
1x95	RMV	0.32	1.6	1.8	15xD (Single core); 12xD (Multi core)	19	464
1x120	RMV	0.253	1.6	1.8	15xD (Single core); 12xD (Multi core)	20	549
1x150	RMV	0.206	1.8	1.8	15xD (Single core); 12xD (Multi core)	22	670
1x185	RMV	0.164	2	1.8	15xD (Single core); 12xD (Multi core)	25	821
1x240	RMV	0.125	2.2	1.8	15xD (Single core); 12xD (Multi core)	27	1035
1x300	RMV	0.1	2.4	1.9	15xD (Single core); 12xD (Multi core)	30	1273
1x400	RMV	0.0778	2.6	2		34	1598

					15xD (Single core); 12xD (Multi core)		
1x500	RMV	0.0605	2.8	2.1	15xD (Single core); 12xD (Multi core)	37	2001
3x10	RE	3.08	1	1.8	15xD (Single core); 12xD (Multi core)	18	398
3x16	RE	1.91	1	1.8	15xD (Single core); 12xD (Multi core)	20	523
3x25	RE	1.2	1.2	1.8	15xD (Single core); 12xD (Multi core)	24	735
3x35	RE	0.868	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	903
3x50	SE	0.641	1.4	1.8	15xD (Single core); 12xD (Multi core)	27	955
3x70	SE	0.443	1.4	2	15xD (Single core); 12xD (Multi core)	31	1263
3x95	SE	0.32	1.6	2.1	15xD (Single core); 12xD (Multi core)	34	1625
3x120	SE	0.253	1.6	2.2	15xD (Single core); 12xD (Multi core)	37	1911
3x150	SE	0.206	1.8	2.3	15xD (Single core); 12xD (Multi core)	41	2329
3x185	SE	0.164	2	2.5	15xD (Single core); 12xD (Multi core)	45	2821
3x240	SE	0.125	2.2	2.7	15xD (Single core); 12xD (Multi core)	50	3573
3x35+16	RE	0.868	1.2/1.0	1.8	15xD (Single core); 12xD (Multi core)	27	981
3x50+25	SM/RMV	0.641	1.4/1.2	1.9	15xD (Single core); 12xD (Multi core)	30	1222
3x70+35	SM/RMV	0.443	1.4/1.2	2	15xD (Single core); 12xD (Multi core)	34	1582
3x95+50	SM	0.32	1.6/1.4	2.2	15xD (Single core); 12xD (Multi core)	39	2004
3x120+70	SM	0.253	1.6/1.4	2.3	15xD (Single core); 12xD (Multi core)	42	2429
3x150+70	SM	0.206	1.8/1.4	2.4	15xD (Single core); 12xD (Multi core)	47	2854

CROSS-SECTION DATA — 0.6/1 kV

Voltage	0.6/1 kV
Test voltage	4 kV
Operating temperature range	-35-+70 °C
Conductor temperature (max.)	70 °C
Short-circuit temperature (max.)	300 mm2: +140 °C
Minimum laying temperature	-5 °C
Minimum storage temperature	-35 °C
CPR class	Fca
Flame retardant	no

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x185+95	SM	0.164	2.0/1.6	2.6	15xD (Single core); 12xD (Multi core)	51	3492
3x240+120	SM	0.125	2.2/1.6	2.8	15xD (Single core); 12xD (Multi core)	58	4437
4x16	RE	1.91	1	1.8	15xD (Single core); 12xD (Multi core)	22	611
4x16	RMV	1.91	1	1.8	15xD (Single core); 12xD (Multi core)	23	649
4x25	RE	1.2	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	873
4x25	RMV	1.2	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	906
4x35	RE	0.868	1.2	1.8	15xD (Single core); 12xD (Multi core)	28	1071
4x50	SE	0.641	1.4	1.9	15xD (Single core); 12xD (Multi core)	30	1238
4x50	SM	0.641	1.4	1.9	15xD (Single core); 12xD (Multi core)	31	1324
4x70	SE	0.443	1.4	2.1	15xD (Single core); 12xD (Multi core)	33	1591
4x95	SE	0.32	1.6	2.2	15xD (Single core); 12xD (Multi core)	37	2068
4x120	SE	0.253	1.6	2.4		41	2518

					15xD (Single core); 12xD (Multi core)		
4x150	SE	0.206	1.8	2.5	15xD (Single core); 12xD (Multi core)	45	3013
4x150	SM	0.206	1.8	2.5	15xD (Single core); 12xD (Multi core)	48	3183
4x185	SE	0.164	2	2.7	15xD (Single core); 12xD (Multi core)	50	3732
4x185	SM	0.164	2	2.7	15xD (Single core); 12xD (Multi core)	53	3928
4x240	SE	0.125	2.2	2.9	15xD (Single core); 12xD (Multi core)	56	4648
4x240	SM	0.125	2.2	2.9	15xD (Single core); 12xD (Multi core)	59	4929
5x16	RE	1.91	1	1.8	15xD (Single core); 12xD (Multi core)	24	721
5x25	RE	1.2	1.2	1.8	15xD (Single core); 12xD (Multi core)	28	1059
5x35	RE	0.868	1.2	1.9	15xD (Single core); 12xD (Multi core)	31	1320
5x50	SM	0.641	1.4	2	15xD (Single core); 12xD (Multi core)	35	1661
5x70	SM	0.443	1.4	2.2	15xD (Single core); 12xD (Multi core)	40	2137
5x95	SM	0.32	1.6	2.4	15xD (Single core); 12xD (Multi core)	45	2816
5x120	SM	0.253	1.6	2.5	15xD (Single core); 12xD (Multi core)	49	3342