



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)	15/12xD	Colour of insulation	HD 308 S2
Colour of sheath	black	Conductor	AL
CPR class	Fca	CUScreen	No
Insulation	PVC	Maximal operating conductor temperature (°C)	70
Maximal short-circuit temperature (°C)	300 mm2: +140	Minimal storage temperature (°C)	-35
Minimal temperature for laying (°C)	-5	Operating temperature range (°C)	-35-+70
Packaging	cable drums	Rated voltage (kV)	0.6/1
RoHS/REACH	yes/yes	Self-extinguishing of single cable	no
Sheath	PE	Test voltage (kV)	4



NAY2Y

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

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x16	Al	~7.4	1.91	1	1.8	12xD	11	122
1x25	Al	~8.4	1.2	1.2	1.8	12xD	12	171
1x35	Al	~9.4	0.868	1.2	1.8	12xD	13	209
1x50	Al	~11.4	0.641	1.4	1.8	12xD	15	277
1x70	Al	~13.4	0.443	1.4	1.8	12xD	17	356
1x95	Al	~15.4	0.32	1.6	1.8	12xD	19	464
1x120	Al	~16.4	0.253	1.6	1.8	12xD	20	549
1x150	Al	~18.4	0.206	1.8	1.8	12xD	22	670
1x185	Al	~21.4	0.164	2	1.8	12xD	25	821
1x240	Al	~23.4	0.125	2.2	1.8	12xD	27	1035
1x300	Al	~26.2	0.1	2.4	1.9	12xD	30	1273
1x400	Al	~30	0.0778	2.6	2	12xD	34	1598
1x500	Al	~32.8	0.0605	2.8	2.1	12xD	37	2001
3x10	Al	~14.4	3.08	1	1.8	12xD	18	398
3x16	Al	~16.4	1.91	1	1.8	12xD	20	523
3x25	Al	~20.4	1.2	1.2	1.8	12xD	24	735
3x35	Al	~22.4	0.868	1.2	1.8	12xD	26	903
3x50	Al	~23.4	0.641	1.4	1.8	12xD	27	955
3x70	Al	~27	0.443	1.4	2	12xD	31	1263
3x95	Al	~29.8	0.32	1.6	2.1	12xD	34	1625
3x120	Al	~32.6	0.253	1.6	2.2	12xD	37	1911
3x150	Al	~36.4	0.206	1.8	2.3	12xD	41	2329
3x185	Al	~40	0.164	2	2.5	12xD	45	2821
3x240	Al	~44.6	0.125	2.2	2.7	12xD	50	3573
3x35+16	Al	~23.4	0.868	1.2/1.0	1.8	12xD	27	981



NAY2Y

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x50+25	Al	~26.2	0.641	1.4/1.2	1.9	12xD	30	1222
3x70+35	Al	~30	0.443	1.4/1.2	2	12xD	34	1582
3x95+50	Al	~34.6	0.32	1.6/1.4	2.2	12xD	39	2004
3x120+70	Al	~37.4	0.253	1.6/1.4	2.3	12xD	42	2429
3x150+70	Al	~42.2	0.206	1.8/1.4	2.4	12xD	47	2854
3x185+95	Al	~45.8	0.164	2.0/1.6	2.6	12xD	51	3492
3x240+120	Al	~52.4	0.125	2.2/1.6	2.8	12xD	58	4437
4x16	Al	~18.4	1.91	1	1.8	12xD	22	611
4x16	Al	~19.4	1.91	1	1.8	12xD	23	649
4x25	Al	~22.4	1.2	1.2	1.8	12xD	26	873
4x25	Al	~22.4	1.2	1.2	1.8	12xD	26	906
4x35	Al	~24.4	0.868	1.2	1.8	12xD	28	1071
4x50	Al	~26.2	0.641	1.4	1.9	12xD	30	1238
4x50	Al	~27.2	0.641	1.4	1.9	12xD	31	1324
4x70	Al	~28.8	0.443	1.4	2.1	12xD	33	1591
4x95	Al	~32.6	0.32	1.6	2.2	12xD	37	2068
4x120	Al	~36.2	0.253	1.6	2.4	12xD	41	2518
4x150	Al	~40	0.206	1.8	2.5	12xD	45	3013
4x150	Al	~43	0.206	1.8	2.5	12xD	48	3183
4x185	Al	~44.6	0.164	2	2.7	12xD	50	3732
4x185	Al	~47.6	0.164	2	2.7	12xD	53	3928
4x240	Al	~50.2	0.125	2.2	2.9	12xD	56	4648
4x240	Al	~53.2	0.125	2.2	2.9	12xD	59	4929
5x16	Al	~20.4	1.91	1	1.8	12xD	24	721
5x25	Al	~24.4	1.2	1.2	1.8	12xD	28	1059
5x35	Al	~27.2	0.868	1.2	1.9	12xD	31	1320
5x50	Al	~31	0.641	1.4	2	12xD	35	1661
5x70	Al	~35.6	0.443	1.4	2.2	12xD	40	2137
5x95	Al	~40.2	0.32	1.6	2.4	12xD	45	2816
5x120	Al	~44	0.253	1.6	2.5	12xD	49	3342