NA2X2Y

Low Voltage Cables

DESCRIPTION

The NA2X2Y cable is a durable low-voltage cable with an aluminium conductor, PE insulation, and an HDPE sheath. It has been developed for fixed installations under increased mechanical stress and is particularly suitable for demanding industrial and energy infrastructure applications.

TECHNICAL DATA

Bending radius (mm)	15xD (Single core); 12xD (Multi core) mm
CPR class	Fca
Maximal operating conductor temperature (°C)	90 °C
Maximal short-circuit temperature (°C)	250 °C
Minimal storage temperature (°C)	-35 °C
Minimal temperature for laying (°C)	-20 °C
Operating temperature range (°C)	-35-+90 °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-+90 °C
Conductor temperature (max.)	90 °C
Short-circuit temperature (max.)	250 °C
Minimum laying temperature	-20 °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	0.7	1.8	15xD (Single core); 12xD (Multi core)	10	104
1x25	RE	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	12	144
1x35	RE	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	13	179
1x50	RMV	0.641	1	1.8	15xD (Single core); 12xD (Multi core)	14	232
1x70	RMV	0.443	1.1	1.8	15xD (Single core); 12xD (Multi core)	16	309
1x95	RMV	0.32	1.1	1.8	15xD (Single core); 12xD (Multi core)	18	394
1x120	RMV	0.253	1.2	1.8	15xD (Single core); 12xD (Multi core)	20	479
1x150	RMV	0.206	1.4	1.8	15xD (Single core); 12xD (Multi core)	22	587
1x185	RMV	0.164	1.6	1.8	15xD (Single core); 12xD (Multi core)	24	722
1x240	RMV	0.125	1.7	1.8	15xD (Single core); 12xD (Multi core)	26	908
1x300	RMV	0.1	1.8	1.8	15xD (Single core); 12xD (Multi core)	29	1102
1x400	RMV	0.0078	2	1.9		32	1398

					15xD (Single core); 12xD (Multi core)		
1x500	RMV	0.065	2.2	2	15xD (Single core); 12xD (Multi core)	36	1763
3x16	RE	1.91	0.7	1.8	15xD (Single core); 12xD (Multi core)	19	454
3x25	RE	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	22	634
3x35	RE	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	25	788
3x50	SM	0.641	1	1.8	15xD (Single core); 12xD (Multi core)	26	870
3x70	SM	0.443	1.1	1.9	15xD (Single core); 12xD (Multi core)	30	1170
3x95	SM	0.32	1.1	2	15xD (Single core); 12xD (Multi core)	33	1463
3x120	SM	0.253	1.2	2.1	15xD (Single core); 12xD (Multi core)	39	1802
3x150	SM	0.206	1.4	2.3	15xD (Single core); 12xD (Multi core)	41	2184
3x185	SM	0.164	1.6	2.4	15xD (Single core); 12xD (Multi core)	45	2647
3x240	SM	0.125	1.7	2.6	15xD (Single core); 12xD (Multi core)	51	3362
3x35+16	RE	0.868	0.9/0.7	1.8	15xD (Single core); 12xD (Multi core)	25	855
3x70+35	SM	0.268	1.1/0.9	1.9	15xD (Single core); 12xD (Multi core)	32	2828
3x95+50	SM	0.193	1.1/1.0	2.1	15xD (Single core); 12xD (Multi core)	37	3757
3x120+70	SM	0.153	1.2/1.1	2.2	15xD (Single core); 12xD (Multi core)	40	4707
3x150+70	SM	0.124	1.4/1.1	2.3	15xD (Single core); 12xD (Multi core)	45	5675
3x185+95	SM	0.0991	1.6/1.1	2.5	15xD (Single core); 12xD (Multi core)	49	7071
3x240+120	SM	0.0754	1.7/1.2	2.7	15xD (Single core); 12xD (Multi core)	56	9138

CROSS-SECTION DATA — 0.6/1 kV

Voltage	0.6/1 kV
Test voltage	4 kV
Operating temperature range	-35-+90 °C
Conductor temperature (max.)	90 °C
Short-circuit temperature (max.)	250 °C
Minimum laying temperature	-20 °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]
4x10	RE	1.83	0.7	1.8	15xD (Single core); 12xD (Multi core)	18	642
4x16	RE	1.15	0.7	1.8	15xD (Single core); 12xD (Multi core)	21	910
4x25	RMV	0.727	0.9	1.8	15xD (Single core); 12xD (Multi core)	25	1391
4x35	RMV	0.524	0.9	1.8	15xD (Single core); 12xD (Multi core)	28	1834
4x50	SM	0.387	1	1.9	15xD (Single core); 12xD (Multi core)	29	2255
4x70	SM	0.268	1.1	2	15xD (Single core); 12xD (Multi core)	33	3158
4x95	SM	0.193	1.1	2.1	15xD (Single core); 12xD (Multi core)	37	4200
4x120	SM	0.153	1.2	2.3	15xD (Single core); 12xD (Multi core)	41	5259
4x150	SM	0.124	1.4	2.4	15xD (Single core); 12xD (Multi core)	46	6439
4x185	SM	0.0991	1.6	2.6	15xD (Single core); 12xD (Multi core)	51	7967
4x240	SM	0.0754	1.7	2.8	15xD (Single core); 12xD (Multi core)	57	10324
5x10	RE	1.83	0.7	1.8		20	767

					15xD (Single core); 12xD (Multi core)		
5x16	RE	1.15	0.7	1.8	15xD (Single core); 12xD (Multi core)	22	1100
5x25	RMV	0.727	0.9	1.8	15xD (Single core); 12xD (Multi core)	27	1676
5x35	RMV	0.524	0.9	1.8	15xD (Single core); 12xD (Multi core)	31	2266
5x50	SM	0.387	1	2	15xD (Single core); 12xD (Multi core)	33	2877
5x70	SM	0.268	1.1	2.1	15xD (Single core); 12xD (Multi core)	38	3979
5x95	SM	0.193	1.1	2.3	15xD (Single core); 12xD (Multi core)	42	5342
5x120	SM	0.153	1.2	2.4	15xD (Single core); 12xD (Multi core)	47	6625