NA2XY

Low Voltage Cables

DESCRIPTION

The NA2XY cable is a robust low-voltage cable with an aluminium conductor, PE insulation, and a PVC sheath. It is designed for fixed installation under increased mechanical stress and is particularly suitable for power distribution in industrial and public supply networks.

TECHNICAL DATA

Bending radius (mm)	15xD (Single core); 12xD (Multi core) mm
CPR class	Eca
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)	-5 °C
Operating temperature range (°C)	-35-+90 °C
Rated voltage (kV)	0.6/1 kV
Self-extinguishing of single cable	IEC 60332-1-2
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	-5 °C
Minimum storage temperature	-35 °C
CPR class	Eca
Flame retardant	IEC 60332-1-2

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x16	RMV	1.91	0.7	1.8	15xD (Single core); 12xD (Multi core)	10	136
1x25	RMV	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	12	182
1x35	RMV	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	13	222
1x50	RMV	0.641	1	1.8	15xD (Single core); 12xD (Multi core)	14	275
1x70	RMV	0.443	1.1	1.8	15xD (Single core); 12xD (Multi core)	16	358
1x95	RMV	0.32	1.1	1.8	15xD (Single core); 12xD (Multi core)	18	448
1x120	RMV	0.253	1.2	1.8	15xD (Single core); 12xD (Multi core)	20	538
1x150	RMV	0.206	1.4	1.8	15xD (Single core); 12xD (Multi core)	22	654
1x185	RMV	0.164	1.6	1.8	15xD (Single core); 12xD (Multi core)	24	797
1x240	RMV	0.125	1.7	1.8	15xD (Single core); 12xD (Multi core)	26	991
1x300	RMV	0.1	1.8	1.8	15xD (Single core); 12xD (Multi core)	29	1194
1x400	RMV	0.0778	2	1.9		32	1504

					15xD (Single core); 12xD (Multi core)		
1x500	RMV	0.0605	2.2	2	15xD (Single core); 12xD (Multi core)	36	1889
3x16	RE	1.91	0.7	1.8	15xD (Single core); 12xD (Multi core)	19	513
3x25	RE	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	22	703
3x35	RE	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	25	868
3x50	SM	0.641	1	1.8	15xD (Single core); 12xD (Multi core)	26	955
3x70	SM	0.443	1.1	1.9	15xD (Single core); 12xD (Multi core)	30	1274
3x95	SM	0.32	1.1	2	15xD (Single core); 12xD (Multi core)	33	1584
3x120	SM	0.253	1.2	2.1	15xD (Single core); 12xD (Multi core)	39	1951
3x150	SM	0.206	1.4	2.3	15xD (Single core); 12xD (Multi core)	41	2354
3x185	SM	0.164	1.6	2.4	15xD (Single core); 12xD (Multi core)	45	2832
3x240	SM	0.125	1.7	2.6	15xD (Single core); 12xD (Multi core)	51	3597
3x25+16	RE	1.2	0.9/0.7	1.8	15xD (Single core); 12xD (Multi core)	23	770
3x35+16	RE	0.868	0.9/0.7	1.8	15xD (Single core); 12xD (Multi core)	25	940
3x50+25	SM/RE	0.641	1.0/0.9	1.8	15xD (Single core); 12xD (Multi core)	29	1142
3x70+35	SM/RE	0.443	1.1/0.9	1.9	15xD (Single core); 12xD (Multi core)	33	1509
3x95+50	SM	0.32	1.1/1.0	2.1	15xD (Single core); 12xD (Multi core)	37	1859
3x120+70	SM	0.253	1.2/1.1	2.2	15xD (Single core); 12xD (Multi core)	40	2245
3x150+70	SM	0.206	1.4/1.1	2.3	15xD (Single core); 12xD (Multi core)	45	2720

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	-5 °C
Minimum storage temperature	-35 °C
CPR class	Eca
Flame retardant	IEC 60332-1-2

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x185+95	SM	0.164	1.6/1.1	2.5	15xD (Single core); 12xD (Multi core)	49	3310
3x240+120	SM	0.125	1.7/1.2	2.7	15xD (Single core); 12xD (Multi core)	56	4202
4x16	RMV	1.91	0.7	1.8	15xD (Single core); 12xD (Multi core)	21	611
4x25	RE	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	24	823
4x35	RE	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	27	1015
4x35	SM	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	26	960
4x50	RMV	0.641	1	1.9	15xD (Single core); 12xD (Multi core)	32	1385
4x50	SE	0.641	1	1.9	15xD (Single core); 12xD (Multi core)	27	1115
4x50	SM	0.641	1	1.9	15xD (Single core); 12xD (Multi core)	29	1192
4x70	SE	0.443	1.1	2	15xD (Single core); 12xD (Multi core)	32	1501
4x95	SE	0.32	1.1	2.1	15xD (Single core); 12xD (Multi core)	35	1901
4x95	SM	0.32	1.1	2.1		37	2012

					15xD (Single core); 12xD (Multi core)		
4x120	SE	0.253	1.2	2.3	15xD (Single core); 12xD (Multi core)	39	2376
4x150	SE	0.206	1.4	2.4	15xD (Single core); 12xD (Multi core)	43	2827
4x150	SM	0.206	1.4	2.4	15xD (Single core); 12xD (Multi core)	46	3007
4x185	SE	0.164	1.6	2.6	15xD (Single core); 12xD (Multi core)	48	3466
4x240	SE	0.125	1.7	2.8	15xD (Single core); 12xD (Multi core)	54	4373
4x240	SM	0.125	1.7	2.8	15xD (Single core); 12xD (Multi core)	57	4648
5x16	RE	1.91	0.7	1.8	15xD (Single core); 12xD (Multi core)	23	688
5x25	RE	1.2	0.9	1.8	15xD (Single core); 12xD (Multi core)	26	955
5x35	RE	0.868	0.9	1.8	15xD (Single core); 12xD (Multi core)	29	1181
5x50	SM	0.641	1	2	15xD (Single core); 12xD (Multi core)	33	1543
5x70	SM	0.443	1.1	2.1	15xD (Single core); 12xD (Multi core)	38	2030
5x95	SM	0.32	1.1	2.3	15xD (Single core); 12xD (Multi core)	42	2604
5x120	SM	0.253	1.2	2.4	15xD (Single core); 12xD (Multi core)	47	3159