NYY

Low Voltage Cables

DESCRIPTION

The NYY is a universally applicable low-voltage cable for fixed installation in buildings, outdoors, underground, or even in water - wherever no special mechanical stresses are to be expected.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Eca
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	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-+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**	Eca
Flame retardant	IEC 60332-1-2		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x1.5	Cu	RE	12.1	0.8	1.8	12xD	6.5	73
1x2.5	Cu	RE	7.41	0.8	1.8	12xD	7	88
1x4.0	Cu	RE	4.61	1	1.8	12xD	8	122
1x6.0	Cu	RE	3.08	1	1.8	12xD	8.5	150
1x10.0	Cu	RE	1.83	1	1.8	12xD	9	205
1x16	Cu	RE	1.15	1	1.8	12xD	11	249
1x16	Cu	RMV	1.15	1	1.8	12xD	11	255
1x25	Cu	RMV	0.727	1.2	1.8	12xD	12	366
1x35	Cu	RMV	0.524	1.2	1.8	12xD	14	471
1x50	Cu	RMV	0.387	1.4	1.8	12xD	15	609
1x70	Cu	RMV	0.268	1.4	1.8	12xD	17	823
1x95	Cu	RMV	0.193	1.6	1.8	12xD	19	1100
1x120	Cu	RMV	0.153	1.6	1.8	12xD	20	1340
1x150	Cu	RMV	0.124	1.8	1.8	12xD	22	1640
1x185	Cu	RMV	0.0991	2	1.8	12xD	25	2024
1x240	Cu	RMV	0.0754	2.2	1.8	12xD	27	2601
1x300	Cu	RMV	0.0601	2.4	1.9	12xD	30	3232
1x400	Cu	RMV	0.047	2.6	2	12xD	34	4093
1x500	Cu	RMV	0.0366	2.8	2.1	12xD	37	5184
2x1.5	Cu	RE	12.1	0.8	1.8	12xD	11	164
2x2.5	Cu	RE	7.41	0.8	1.8	12xD	12	200
2x4.0	Cu	RE	4.61	1	1.8	12xD	13	275
2x6.0	Cu	RE	3.08	1	1.8	12xD	14	338
2x10.0	Cu	RE	1.83	1	1.8	12xD	16	457
2x16	Cu	RE	1.15	1	1.8	12xD	19	714

2x16	Cu	RMV	1.15	1	1.8	12xD	20	743
2x25	Cu	RMV	0.727	1.2	1.8	12xD	23	1059
2x35	Cu	RMV	0.524	1.2	1.8	12xD	25	1349
3x1.5	Cu	RE	12.1	0.8	1.8	12xD	11	184
3x2.5	Cu	RE	7.41	0.8	1.8	12xD	12	226

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**	Eca
Flame retardant	IEC 60332-1-2		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x4.0	Cu	RE	4.61	1	1.8	12xD	14	318
3x6.0	Cu	RE	3.08	1	1.8	12xD	15	403
3x10.0	Cu	RE	1.83	1	1.8	12xD	17	557
3x16	Cu	RE	1.15	1	1.8	12xD	20	872
3x16	Cu	RMV	1.15	1	1.8	12xD	21	902
3x25	Cu	RMV	0.727	1.2	1.8	12xD	24	1303
3x35	Cu	SM	0.524	1.2	1.8	12xD	25	1532
3x50	Cu	SM	0.387	1.4	1.8	12xD	28	1966
3x70	Cu	SM	0.268	1.4	2	12xD	31	2685
3x95	Cu	SM	0.193	1.6	2.1	12xD	36	3582
3x120	Cu	SM	0.153	1.6	2.2	12xD	38	4351
3x150	Cu	SM	0.124	1.8	2.3	12xD	43	5356
3x185	Cu	SM	0.0991	2	2.5	12xD	47	6582
3x240	Cu	SM	0.0754	2.2	2.7	12xD	53	8519
3x300	Cu	SM	0.0601	2.4	2.9	12xD	58	10504
3x25+16	Cu	RMV/RE	0.727	1.2/1.0	1.8	12xD	25	1482
3x35+16	Cu	SM/RE	0.524	1.2/1.0	1.8	12xD	27	1786
3x50+25	Cu	SM/RMV	0.387	1.4/1.2	1.9	12xD	30	2364
3x70+35	Cu	SM	0.268	1.4/1.2	2	12xD	34	3133
3x95+50	Cu	SM	0.193	1.6/1.4	2.2	12xD	39	4196
3x120+70	Cu	SM	0.153	1.6/1.4	2.3	12xD	42	5224
3x150+70	Cu	SM	0.124	1.8/1.4	2.4	12xD	47	6210
3x185+95	Cu	SM	0.0991	2.0/1.6	2.6	12xD	51	7712
3x240+120	Cu	SM	0.0754	2.2/1.6	2.8	12xD	58	9931
3x300+150	Cu	SM	0.0601	2.4/1.8	3	12xD	64	12265

4x1.5	Cu	RE	12.1	0.8	1.8	12xD	12	214
4x2.5	Cu	RE	7.41	0.8	1.8	12xD	13	269
4x4.0	Cu	RE	4.61	1	1.8	12xD	15	374
4x6.0	Cu	RE	3.08	1	1.8	12xD	16	491
4x10.0	Cu	RE	1.83	1	1.8	12xD	18	669

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**	Eca
Flame retardant	IEC 60332-1-2		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
4x10	Cu	RMV	1.83	1	1.8	12xD	21	818
4x16	Cu	RE	1.15	1	1.8	12xD	22	1062
4x25	Cu	RMV	0.727	1.2	1.2	12xD	26	1606
4x35	Cu	SM	0.524	1.2	1.8	12xD	27	1962
4x50	Cu	SM	0.387	1.4	1.9	12xD	31	2594
4x70	Cu	SM	0.268	1.4	2.1	12xD	34	3492
4x95	Cu	SM	0.193	1.6	2.2	12xD	39	4668
4x120	Cu	SM	0.153	1.6	2.4	12xD	43	5754
4x150	Cu	SM	0.124	1.8	2.5	12xD	48	7026
4x185	Cu	SM	0.0991	2	2.7	12xD	53	8715
4x240	Cu	SM	0.0754	2.2	2.9	12xD	59	11195
4x300	Cu	SM	0.0601	2.4	3.1	12xD	65	13815
5x1.5	Cu	RE	12.1	0.8	1.8	12xD	13	255
5x2.5	Cu	RE	7.41	0.8	1.8	12xD	14	327
5x4.0	Cu	RE	4.61	1	1.8	12xD	16	460
5x6.0	Cu	RE	3.08	1	1.8	12xD	17	598
5x10.0	Cu	RE	1.83	1	1.8	12xD	19	842
5x10	Cu	RMV	1.83	1	1.8	12xD	22	975
5x16	Cu	RE	1.15	1	1.8	12xD	24	1275
5x16	Cu	RMV	1.15	1	1.8	12xD	25	1315
5x25	Cu	RMV	0.727	1.2	1.8	12xD	29	1960
5x35	Cu	RMV	0.524	1.2	1.9	12xD	32	2584
5x50	Cu	RMV	0.387	1.4	2	12xD	37	3419
5x50	Cu	SM	0.387	1.4	2	12xD	35	3258
5x70	Cu	RMV	0.268	1.4	2.2	12xD	42	4689

5x70	Cu	SM	0.268	1.4	2.2	12xD	40	4411
5x95	Cu	RMV	0.193	1.6	2.4	12xD	48	6354
5x95	Cu	SM	0.193	1.6	2.4	12xD	45	5944
5x120	Cu	RMV	0.153	1.6	2.5	12xD	52	7727
5x120	Cu	SM	0.153	1.6	2.5	12xD	49	7255

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**	Eca
Flame retardant	IEC 60332-1-2		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
7x1.5	Cu	RE	12.1	0.8	1.8	12xD	13	301
7x2.5	Cu	RE	7.41	0.8	1.8	12xD	15	388