



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	Colour of insulation	HD 308 S2
Colour of sheath	black	Conductor	CU
CPR class	Eca	CUScreen	No
Insulation	PVC	Maximal operating conductor temperature (°C)	70
Maximal short-circuit temperature (°C)	300 mm ² : +140	Minimal storage temperature (°C)	-35
Minimal temperature for laying (°C)	-5	Operating temperature range (°C)	-35-+70
Packaging	cable coils/cable drums	Rated voltage (kV)	0.6/1
RoHS/REACH	yes/yes	Self-extinguishing of single cable	IEC 60332-1-2
Sheath	PVC	Test voltage (kV)	4



NYY

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 mm ² : +140 °C	Minimum laying temperature -5 °C
Minimum storage temperature -35 °C	CPR class Eca	Flame retardant IEC 60332-1-2

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x1.5	Cu	~2.9	12.1	0.8	1.8	12xD	6.5	73
1x2.5	Cu	~3.4	7.41	0.8	1.8	12xD	7	88
1x4.0	Cu	~4.4	4.61	1	1.8	12xD	8	122
1x6.0	Cu	~4.9	3.08	1	1.8	12xD	8.5	150
1x10.0	Cu	~5.4	1.83	1	1.8	12xD	9	205
1x16	Cu	~7.4	1.15	1	1.8	12xD	11	249
1x16	Cu	~7.4	1.15	1	1.8	12xD	11	255
1x25	Cu	~8.4	0.727	1.2	1.8	12xD	12	366
1x35	Cu	~10.4	0.524	1.2	1.8	12xD	14	471
1x50	Cu	~11.4	0.387	1.4	1.8	12xD	15	609
1x70	Cu	~13.4	0.268	1.4	1.8	12xD	17	823
1x95	Cu	~15.4	0.193	1.6	1.8	12xD	19	1100
1x120	Cu	~16.4	0.153	1.6	1.8	12xD	20	1340
1x150	Cu	~18.4	0.124	1.8	1.8	12xD	22	1640
1x185	Cu	~21.4	0.0991	2	1.8	12xD	25	2024
1x240	Cu	~23.4	0.0754	2.2	1.8	12xD	27	2601
1x300	Cu	~26.2	0.0601	2.4	1.9	12xD	30	3232
1x400	Cu	~30	0.047	2.6	2	12xD	34	4093
1x500	Cu	~32.8	0.0366	2.8	2.1	12xD	37	5184
2x1.5	Cu	~7.4	12.1	0.8	1.8	12xD	11	164
2x2.5	Cu	~8.4	7.41	0.8	1.8	12xD	12	200
2x4.0	Cu	~9.4	4.61	1	1.8	12xD	13	275
2x6.0	Cu	~10.4	3.08	1	1.8	12xD	14	338
2x10.0	Cu	~12.4	1.83	1	1.8	12xD	16	457
2x16	Cu	~15.4	1.15	1	1.8	12xD	19	714



NYN

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
2x16	Cu	~16.4	1.15	1	1.8	12xD	20	743
2x25	Cu	~19.4	0.727	1.2	1.8	12xD	23	1059
2x35	Cu	~21.4	0.524	1.2	1.8	12xD	25	1349
3x1.5	Cu	~7.4	12.1	0.8	1.8	12xD	11	184
3x2.5	Cu	~8.4	7.41	0.8	1.8	12xD	12	226
3x4.0	Cu	~10.4	4.61	1	1.8	12xD	14	318
3x6.0	Cu	~11.4	3.08	1	1.8	12xD	15	403
3x10.0	Cu	~13.4	1.83	1	1.8	12xD	17	557
3x16	Cu	~16.4	1.15	1	1.8	12xD	20	872
3x16	Cu	~17.4	1.15	1	1.8	12xD	21	902
3x25	Cu	~20.4	0.727	1.2	1.8	12xD	24	1303
3x35	Cu	~21.4	0.524	1.2	1.8	12xD	25	1532
3x50	Cu	~24.4	0.387	1.4	1.8	12xD	28	1966
3x70	Cu	~27	0.268	1.4	2	12xD	31	2685
3x95	Cu	~31.8	0.193	1.6	2.1	12xD	36	3582
3x120	Cu	~33.6	0.153	1.6	2.2	12xD	38	4351
3x150	Cu	~38.4	0.124	1.8	2.3	12xD	43	5356
3x185	Cu	~42	0.0991	2	2.5	12xD	47	6582
3x240	Cu	~47.6	0.0754	2.2	2.7	12xD	53	8519
3x300	Cu	~52.2	0.0601	2.4	2.9	12xD	58	10504
3x25+16	Cu	~21.4	0.727	1.2/1.0	1.8	12xD	25	1482
3x35+16	Cu	~23.4	0.524	1.2/1.0	1.8	12xD	27	1786
3x50+25	Cu	~26.2	0.387	1.4/1.2	1.9	12xD	30	2364
3x70+35	Cu	~30	0.268	1.4/1.2	2	12xD	34	3133
3x95+50	Cu	~34.6	0.193	1.6/1.4	2.2	12xD	39	4196
3x120+70	Cu	~37.4	0.153	1.6/1.4	2.3	12xD	42	5224
3x150+70	Cu	~42.2	0.124	1.8/1.4	2.4	12xD	47	6210
3x185+95	Cu	~45.8	0.0991	2.0/1.6	2.6	12xD	51	7712
3x240+120	Cu	~52.4	0.0754	2.2/1.6	2.8	12xD	58	9931
3x300+150	Cu	~58	0.0601	2.4/1.8	3	12xD	64	12265
4x1.5	Cu	~8.4	12.1	0.8	1.8	12xD	12	214
4x2.5	Cu	~9.4	7.41	0.8	1.8	12xD	13	269
4x4.0	Cu	~11.4	4.61	1	1.8	12xD	15	374
4x6.0	Cu	~12.4	3.08	1	1.8	12xD	16	491
4x10.0	Cu	~14.4	1.83	1	1.8	12xD	18	669
4x10	Cu	~17.4	1.83	1	1.8	12xD	21	818



NYY

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
4x16	Cu	~18.4	1.15	1	1.8	12xD	22	1062
4x25	Cu	~23.6	0.727	1.2	1.2	12xD	26	1606
4x35	Cu	~23.4	0.524	1.2	1.8	12xD	27	1962
4x50	Cu	~27.2	0.387	1.4	1.9	12xD	31	2594
4x70	Cu	~29.8	0.268	1.4	2.1	12xD	34	3492
4x95	Cu	~34.6	0.193	1.6	2.2	12xD	39	4668
4x120	Cu	~38.2	0.153	1.6	2.4	12xD	43	5754
4x150	Cu	~43	0.124	1.8	2.5	12xD	48	7026
4x185	Cu	~47.6	0.0991	2	2.7	12xD	53	8715
4x240	Cu	~53.2	0.0754	2.2	2.9	12xD	59	11195
4x300	Cu	~58.8	0.0601	2.4	3.1	12xD	65	13815
5x1.5	Cu	~9.4	12.1	0.8	1.8	12xD	13	255
5x2.5	Cu	~10.4	7.41	0.8	1.8	12xD	14	327
5x4.0	Cu	~12.4	4.61	1	1.8	12xD	16	460
5x6.0	Cu	~13.4	3.08	1	1.8	12xD	17	598
5x10.0	Cu	~15.4	1.83	1	1.8	12xD	19	842
5x10	Cu	~18.4	1.83	1	1.8	12xD	22	975
5x16	Cu	~20.4	1.15	1	1.8	12xD	24	1275
5x16	Cu	~21.4	1.15	1	1.8	12xD	25	1315
5x25	Cu	~25.4	0.727	1.2	1.8	12xD	29	1960
5x35	Cu	~28.2	0.524	1.2	1.9	12xD	32	2584
5x50	Cu	~33	0.387	1.4	2	12xD	37	3419
5x50	Cu	~31	0.387	1.4	2	12xD	35	3258
5x70	Cu	~37.6	0.268	1.4	2.2	12xD	42	4689
5x70	Cu	~35.6	0.268	1.4	2.2	12xD	40	4411
5x95	Cu	~43.2	0.193	1.6	2.4	12xD	48	6354
5x95	Cu	~40.2	0.193	1.6	2.4	12xD	45	5944
5x120	Cu	~47	0.153	1.6	2.5	12xD	52	7727
5x120	Cu	~44	0.153	1.6	2.5	12xD	49	7255
7x1.5	Cu	~9.4	12.1	0.8	1.8	12xD	13	301
7x2.5	Cu	~11.4	7.41	0.8	1.8	12xD	15	388