



NY2Y

Low Voltage Cables



DESCRIPTION

The NY2Y is an especially robust low-voltage cable for fixed installation under high mechanical demands - whether underground, in water, or in industrial environments. Thanks to its material combination, it is perfectly suited for a wide range of application conditions.

TECHNICAL DATA

Bending radius (mm)	15/12xD	Colour of insulation	HD 308 S2
Colour of sheath	black	Conductor	CU
CPR class	Fca	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 drums	Rated voltage (kV)	0.6/1
RoHS/REACH	yes/yes	Self-extinguishing of single cable	no
Sheath	PE	Test voltage (kV)	4



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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 Fca	Flame retardant no

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x10	Cu	~6.4	1.83	1	1.8	12xD	10	157
1x16	Cu	~7.4	1.15	1	1.8	12xD	11	219
1x25	Cu	~8.4	0.727	1.2	1.8	12xD	12	329
1x35	Cu	~10.4	0.524	1.2	1.8	12xD	14	429
1x50	Cu	~11.4	0.387	1.4	1.8	12xD	15	565
1x70	Cu	~13.4	0.268	1.4	1.8	12xD	17	772
1x95	Cu	~15.4	0.193	1.6	1.8	12xD	19	1042
1x120	Cu	~16.4	0.153	1.6	1.8	12xD	20	1278
1x150	Cu	~18.4	0.124	1.8	1.8	12xD	22	1571
1x185	Cu	~21.4	0.0991	2	1.8	12xD	25	1947
1x240	Cu	~23.4	0.0754	2.2	1.8	12xD	27	2514
1x300	Cu	~26.2	0.0601	2.4	1.9	12xD	30	3130
1x400	Cu	~30	0.047	2.6	2	12xD	34	3972
1x500	Cu	~32.8	0.0366	2.8	2.1	12xD	37	5043
3x10	Cu	~14.4	1.83	1	1.8	12xD	18	589
3x16	Cu	~16.4	1.15	1	1.8	12xD	20	810
3x25	Cu	~20.4	0.727	1.2	1.8	12xD	24	1227
3x35	Cu	~21.4	0.524	1.2	1.8	12xD	25	1464
3x50	Cu	~24.4	0.387	1.4	1.8	12xD	28	1887
3x70	Cu	~27	0.268	1.4	2	12xD	31	2584
3x95	Cu	~31.8	0.193	1.6	2.1	12xD	36	3448
3x120	Cu	~33.6	0.153	1.6	2.2	12xD	38	4199
3x150	Cu	~38.4	0.124	1.8	2.3	12xD	43	5178
3x185	Cu	~42	0.0991	2	2.5	12xD	47	6381
3x240	Cu	~47.6	0.0754	2.2	2.7	12xD	53	8264



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Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x35+16	Cu	~23.4	0.524	1.2/1.0	1.8	12xD	27	1698