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 mm	**CPR class**	Fca
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	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-+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**	Fca
Flame retardant	no		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x10	Cu	RE	1.83	1	1.8	12xD	10	157
1x16	Cu	RE	1.15	1	1.8	12xD	11	219
1x25	Cu	RMV	0.727	1.2	1.8	12xD	12	329
1x35	Cu	RMV	0.524	1.2	1.8	12xD	14	429
1x50	Cu	RMV	0.387	1.4	1.8	12xD	15	565
1x70	Cu	RMV	0.268	1.4	1.8	12xD	17	772
1x95	Cu	RMV	0.193	1.6	1.8	12xD	19	1042
1x120	Cu	RMV	0.153	1.6	1.8	12xD	20	1278
1x150	Cu	RMV	0.124	1.8	1.8	12xD	22	1571
1x185	Cu	RMV	0.0991	2	1.8	12xD	25	1947
1x240	Cu	RMV	0.0754	2.2	1.8	12xD	27	2514
1x300	Cu	RMV	0.0601	2.4	1.9	12xD	30	3130
1x400	Cu	RMV	0.047	2.6	2	12xD	34	3972
1x500	Cu	RMV	0.0366	2.8	2.1	12xD	37	5043
3x10	Cu	RE	1.83	1	1.8	12xD	18	589
3x16	Cu	RE	1.15	1	1.8	12xD	20	810
3x25	Cu	RMV	0.727	1.2	1.8	12xD	24	1227
3x35	Cu	SM	0.524	1.2	1.8	12xD	25	1464
3x50	Cu	SM	0.387	1.4	1.8	12xD	28	1887
3x70	Cu	SM	0.268	1.4	2	12xD	31	2584
3x95	Cu	SM	0.193	1.6	2.1	12xD	36	3448
3x120	Cu	SM	0.153	1.6	2.2	12xD	38	4199
3x150	Cu	SM	0.124	1.8	2.3	12xD	43	5178
3x185	Cu	SM	0.0991	2	2.5	12xD	47	6381

3x240	Cu	SM	0.0754	2.2	2.7	12xD	53	8264
3x35+16	Cu	SM/RE	0.524	1.2/1.0	1.8	12xD	27	1698