



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)	15xD (Single core); 12xD (Multi core) mm
CPR class	Fca
Maximal operating conductor temperature (°C)	70 °C
Maximal short-circuit temperature (°C)	300 mm ² : +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 mm ² : +140 °C
Minimum laying temperature	-5 °C
Minimum storage temperature	-35 °C
CPR class	Fca
Flame retardant	no

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x10	RE	1.83	1	1.8	15xD (Single core); 12xD (Multi core)	10	157
1x16	RE	1.15	1	1.8	15xD (Single core); 12xD (Multi core)	11	219
1x25	RMV	0.727	1.2	1.8	15xD (Single core); 12xD (Multi core)	12	329
1x35	RMV	0.524	1.2	1.8	15xD (Single core); 12xD (Multi core)	14	429
1x50	RMV	0.387	1.4	1.8	15xD (Single core); 12xD (Multi core)	15	565
1x70	RMV	0.268	1.4	1.8	15xD (Single core); 12xD (Multi core)	17	772
1x95	RMV	0.193	1.6	1.8	15xD (Single core); 12xD (Multi core)	19	1042
1x120	RMV	0.153	1.6	1.8	15xD (Single core); 12xD (Multi core)	20	1278
1x150	RMV	0.124	1.8	1.8	15xD (Single core); 12xD (Multi core)	22	1571
1x185	RMV	0.0991	2	1.8	15xD (Single core); 12xD (Multi core)	25	1947
1x240	RMV	0.0754	2.2	1.8	15xD (Single core); 12xD (Multi core)	27	2514
1x300	RMV	0.0601	2.4	1.9		30	3130



					15xD (Single core); 12xD (Multi core)		
1x400	RMV	0.047	2.6	2	15xD (Single core); 12xD (Multi core)	34	3972
1x500	RMV	0.0366	2.8	2.1	15xD (Single core); 12xD (Multi core)	37	5043
3x10	RE	1.83	1	1.8	15xD (Single core); 12xD (Multi core)	18	589
3x16	RE	1.15	1	1.8	15xD (Single core); 12xD (Multi core)	20	810
3x25	RMV	0.727	1.2	1.8	15xD (Single core); 12xD (Multi core)	24	1227
3x35	SM	0.524	1.2	1.8	15xD (Single core); 12xD (Multi core)	25	1464
3x50	SM	0.387	1.4	1.8	15xD (Single core); 12xD (Multi core)	28	1887
3x70	SM	0.268	1.4	2	15xD (Single core); 12xD (Multi core)	31	2584
3x95	SM	0.193	1.6	2.1	15xD (Single core); 12xD (Multi core)	36	3448
3x120	SM	0.153	1.6	2.2	15xD (Single core); 12xD (Multi core)	38	4199
3x150	SM	0.124	1.8	2.3	15xD (Single core); 12xD (Multi core)	43	5178
3x185	SM	0.0991	2	2.5	15xD (Single core); 12xD (Multi core)	47	6381
3x240	SM	0.0754	2.2	2.7	15xD (Single core); 12xD (Multi core)	53	8264
3x35+16	SM/RE	0.524	1.2/1.0	1.8	15xD (Single core); 12xD (Multi core)	27	1698