



NYCWY

Low Voltage Cables



DESCRIPTION

NYCWY cables are robust low-voltage cables with a concentric conductor, suitable for power distribution in buildings, industrial facilities, and underground installations. Thanks to their PVC insulation and sheath, they are mechanically durable, moisture-resistant, and versatile in use - even in concrete or water.

TECHNICAL DATA

Bending radius (mm)	15xD (Single core); 12xD (Multi core) mm
CPR class	Eca
Maximal operating conductor temperature (°C)	70 °C
Maximal short-circuit temperature (°C)	160 °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.)	160 °C
Minimum laying temperature	-5 °C
Minimum storage temperature	-35 °C
CPR class	Eca
Flame retardant	IEC 60332-1-2

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
2x10/10	RE	1.83	1	1.8	15xD (Single core); 12xD (Multi core)	19	670
2x16/16	RE	1.15	1	1.8	15xD (Single core); 12xD (Multi core)	21	890
3x10/10	RE	1.83	1	1.8	15xD (Single core); 12xD (Multi core)	20	773
3x10/10	RMV	1.83	1	1.8	15xD (Single core); 12xD (Multi core)	21	817
3x16/16	RE	1.15	1	1.8	15xD (Single core); 12xD (Multi core)	22	1045
3x16/16	RMV	1.15	1	1.8	15xD (Single core); 12xD (Multi core)	22	1085
3x25/16	RMV	0.727	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	1490
3x25/25	RMV	0.727	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	1582
3x35/16	SM	0.524	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	1729
3x35/35	SM	0.524	1.2	1.8	15xD (Single core); 12xD (Multi core)	26	1913
3x50/25	SM	0.387	1.4	1.9	15xD (Single core); 12xD (Multi core)	29	2272
3x50/50	SM	0.387	1.4	1.9		30	2498



						15xD (Single core); 12xD (Multi core)		
3x70/35	SM	0.268	1.4	2		15xD (Single core); 12xD (Multi core)	33	3128
3x70/70	SM	0.268	1.4	2		15xD (Single core); 12xD (Multi core)	34	3473
3x95/50	SM	0.193	1.6	2.2		15xD (Single core); 12xD (Multi core)	38	4177
3x95/95	SM	0.193	1.6	2.2		15xD (Single core); 12xD (Multi core)	38	4640
3x120/70	SM	0.153	1.6	2.3		15xD (Single core); 12xD (Multi core)	41	5168
3x120/120	SM	0.153	1.6	2.3		15xD (Single core); 12xD (Multi core)	41	5674
3x150/70	SM	0.124	1.8	2.4		15xD (Single core); 12xD (Multi core)	46	6193
3x150/150	SM	0.124	1.8	2.4		15xD (Single core); 12xD (Multi core)	47	6982
3x185/95	SM	0.0991	2	2.6		15xD (Single core); 12xD (Multi core)	50	7689
3x185/185	SM	0.0991	2	2.6		15xD (Single core); 12xD (Multi core)	51	8609
3x240/120	SM	0.0754	2.2	2.8		15xD (Single core); 12xD (Multi core)	56	9950
4x10/10	RE	1.83	1	1.8		15xD (Single core); 12xD (Multi core)	21	903
4x16/16	RE	1.15	1	1.8		15xD (Single core); 12xD (Multi core)	24	1237
4x25/16	RMV	0.727	1.2	1.8		15xD (Single core); 12xD (Multi core)	28	1801
4x25/25	RMV	0.727	1.2	1.8		15xD (Single core); 12xD (Multi core)	28	1886
4x35/16	SM	0.524	1.2	1.8		15xD (Single core); 12xD (Multi core)	28	2156
4x35/35	SM	0.524	1.2	1.8		15xD (Single core); 12xD (Multi core)	28	2333
4x50/25	SM	0.387	1.4	2		15xD (Single core); 12xD (Multi core)	33	2944


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.)	160 °C
Minimum laying temperature	-5 °C
Minimum storage temperature	-35 °C
CPR class	Eca
Flame retardant	IEC 60332-1-2

Cores & cross-section	Shape	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
4x50/50	SM	0.387	1.4	2	15xD (Single core); 12xD (Multi core)	34	3171
4x70/35	SM	0.268	1.4	2.1	15xD (Single core); 12xD (Multi core)	36	3932
4x70/70	SM	0.268	1.4	2.1	15xD (Single core); 12xD (Multi core)	37	4277
4x95/50	SM	0.193	1.6	2.3	15xD (Single core); 12xD (Multi core)	42	5276
4x95/70	SM	0.193	1.6	2.3	15xD (Single core); 12xD (Multi core)	42	5488
4x95/95	SM	0.193	1.6	2.3	15xD (Single core); 12xD (Multi core)	42	5740
4x120/70	SM	0.153	1.6	2.4	15xD (Single core); 12xD (Multi core)	46	6571
4x120/120	SM	0.153	1.6	2.4	15xD (Single core); 12xD (Multi core)	46	7077
4x150/70	SM	0.124	1.8	2.6	15xD (Single core); 12xD (Multi core)	51	7883
4x185/95	SM	0.0991	2	2.8	15xD (Single core); 12xD (Multi core)	56	9892
4x185/185	SM	0.0991	2	2.8	15xD (Single core); 12xD (Multi core)	57	10813
4x240/120	SM	0.0754	2.2	3		62	12658



PRODUCT DATASHEET



15xD (Single core); 12xD (Multi core)