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)
15/12xD

Colour of insulation
HD 308 S2

Colour of sheath
black

Conductor
CU

CPR class
Eca

CUScreen
Yes

Insulation
PVC

Maximal operating conductor temperature (°C)
70

Maximal short-circuit temperature (°C)
160

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
IEC 60332-1-2

Sheath
PVC

Test voltage (kV)
4

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CROSS-SECTION DATA — 0.6/1 kV

Voltage	Test voltage	Operating temperature range
0.6/1 kV	4 kV	-35-+70 °C
Conductor temperature (max.)	**Short-circuit temperature (max.)**	**Minimum laying temperature**
70 °C	160 °C	-5 °C
Minimum storage temperature	**CPR class**	**Flame retardant**
-35 °C	Eca	IEC 60332-1-2

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
2x10/10	Cu	~15.4	1.83	1	1.8	12xD	19	670
2x16/16	Cu	~17.4	1.15	1	1.8	12xD	21	890
3x10/10	Cu	~16.4	1.83	1	1.8	12xD	20	773
3x10/10	Cu	~17.4	1.83	1	1.8	12xD	21	817
3x16/16	Cu	~18.4	1.15	1	1.8	12xD	22	1045
3x16/16	Cu	~18.4	1.15	1	1.8	12xD	22	1085
3x25/16	Cu	~22.4	0.727	1.2	1.8	12xD	26	1490
3x25/25	Cu	~22.4	0.727	1.2	1.8	12xD	26	1582
3x35/16	Cu	~22.4	0.524	1.2	1.8	12xD	26	1729
3x35/35	Cu	~22.4	0.524	1.2	1.8	12xD	26	1913
3x50/25	Cu	~25.2	0.387	1.4	1.9	12xD	29	2272
3x50/50	Cu	~26.2	0.387	1.4	1.9	12xD	30	2498
3x70/35	Cu	~29	0.268	1.4	2	12xD	33	3128
3x70/70	Cu	~30	0.268	1.4	2	12xD	34	3473
3x95/50	Cu	~33.6	0.193	1.6	2.2	12xD	38	4177
3x95/95	Cu	~33.6	0.193	1.6	2.2	12xD	38	4640
3x120/70	Cu	~36.4	0.153	1.6	2.3	12xD	41	5168
3x120/120	Cu	~36.4	0.153	1.6	2.3	12xD	41	5674
3x150/70	Cu	~41.2	0.124	1.8	2.4	12xD	46	6193
3x150/150	Cu	~42.2	0.124	1.8	2.4	12xD	47	6982
3x185/95	Cu	~44.8	0.0991	2	2.6	12xD	50	7689
3x185/185	Cu	~45.8	0.0991	2	2.6	12xD	51	8609
3x240/120	Cu	~50.4	0.0754	2.2	2.8	12xD	56	9950
4x10/10	Cu	~17.4	1.83	1	1.8	12xD	21	903
4x16/16	Cu	~20.4	1.15	1	1.8	12xD	24	1237

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Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
4x25/16	Cu	~24.4	0.727	1.2	1.8	12xD	28	1801
4x25/25	Cu	~24.4	0.727	1.2	1.8	12xD	28	1886
4x35/16	Cu	~24.4	0.524	1.2	1.8	12xD	28	2156
4x35/35	Cu	~24.4	0.524	1.2	1.8	12xD	28	2333
4x50/25	Cu	~29	0.387	1.4	2	12xD	33	2944
4x50/50	Cu	~30	0.387	1.4	2	12xD	34	3171
4x70/35	Cu	~31.8	0.268	1.4	2.1	12xD	36	3932
4x70/70	Cu	~32.8	0.268	1.4	2.1	12xD	37	4277
4x95/50	Cu	~37.4	0.193	1.6	2.3	12xD	42	5276
4x95/70	Cu	~37.4	0.193	1.6	2.3	12xD	42	5488
4x95/95	Cu	~37.4	0.193	1.6	2.3	12xD	42	5740
4x120/70	Cu	~41.2	0.153	1.6	2.4	12xD	46	6571
4x120/120	Cu	~41.2	0.153	1.6	2.4	12xD	46	7077
4x150/70	Cu	~45.8	0.124	1.8	2.6	12xD	51	7883
4x185/95	Cu	~50.4	0.0991	2	2.8	12xD	56	9892
4x185/185	Cu	~51.4	0.0991	2	2.8	12xD	57	10813
4x240/120	Cu	~56	0.0754	2.2	3	12xD	62	12658