



N2XY

Low Voltage Cables



DESCRIPTION

The N2XY cable is an unarmoured low-voltage cable for power and control applications up to 0.6/1 kV. It is suitable for fixed installation in buildings, outdoors, in humid environments, and for direct

TECHNICAL DATA

AL / CU	Copper screen
CU	No
CPR class	Flame retardant
Eca	IEC 60332-1-2
Insulation	Insulation color
XLPE	HD 308 S2
Max operating temp	Max short-circuit temp
90	250
Min laying temp	Min storage temp
-5	-35
Operating temp range	Packaging
- 35 - +90	cable drums
Rated voltage	Rbv
0.6/1	15xD (Single core); 12xD (Multi core)
RoHS/REACH	Sheath
yes/yes	PVC
Sheath color	Test voltage
black	4



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CROSS-SECTION DATA — 0.6/1 kV

Cores & cross-section	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	Iso	Sh	T_op_max [C]	T_sc_max [C]	T_range [C]	T_st_min [C]	T_lay_m
1x10	1.83	0.7	1.8	12xD	CU	0.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x16	1.15	0.7	1.8	12xD	CU	0.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x25	0.727	0.9	1.8	12xD	CU	0.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x35	0.524	0.9	1.8	12xD	CU	0.4k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x50	0.387	1	1.8	12xD	CU	0.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x70	0.268	1.1	1.8	12xD	CU	0.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x95	0.193	1.1	1.8	12xD	CU	1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x120	0.153	1.2	1.8	12xD	CU	1.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x150	0.124	1.4	1.8	12xD	CU	1.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x185	0.0991	1.6	1.8	12xD	CU	1.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x240	0.0754	1.7	1.8	12xD	CU	2.5k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x300	0.0601	1.8	1.8	12xD	CU	3.1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x400	0.047	2	1.9	12xD	CU	3.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
1x500	0.0366	2.2	2	12xD	CU	4.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x10	1.83	0.7	1.8	12xD	CU	0.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x16	1.15	0.7	1.8	12xD	CU	0.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x25	0.727	0.9	1.8	12xD	CU	1.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x35	0.524	0.9	1.8	12xD	CU	1.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x50	0.387	1	1.8	12xD	CU	1.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x70	0.268	1.1	1.9	12xD	CU	2.5k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x95	0.193	1.1	2	12xD	CU	3.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x120	0.153	1.2	2.1	12xD	CU	4.1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x150	0.124	1.4	2.3	12xD	CU	5.1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x185	0.0991	1.6	2.4	12xD	CU	6.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x240	0.0754	1.7	2.6	12xD	CU	8.1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x25+16	0.727	0.9/0.7	1.8	12xD	CU	1.4k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x35+16	0.524	0.9/0.7	1.8	12xD	CU	1.7k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x50+25	0.387	1.0/0.9	1.8	12xD	CU	2.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x70+35	0.268	1.1/0.9	1.9	12xD	CU	2.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x95+50	0.193	1.1/1.0	2.1	12xD	CU	3.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x120+70	0.153	1.2/1.1	2.2	12xD	CU	4.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x150+70	0.124	1.4/1.1	2.3	12xD	CU	5.9k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x185+95	0.0991	1.6/1.1	2.5	12xD	CU	7.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
3x240+120	0.0754	1.7/1.2	2.7	12xD	CU	9.4k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x10	1.83	0.7	1.8	12xD	CU	0.7k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x16	1.15	0.7	1.8	12xD	CU	1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x16	1.15	0.7	1.8	12xD	CU	1k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x25	0.727	0.9	1.8	12xD	CU	1.5k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x35	0.524	0.9	1.8	12xD	CU	1.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x50	0.387	1	1.9	12xD	CU	2.4k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x70	0.268	1.1	2	12xD	CU	3.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x95	0.193	1.1	2.1	12xD	CU	4.3k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x120	0.153	1.2	2.3	12xD	CU	5.4k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x150	0.124	1.4	2.4	12xD	CU	6.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x185	0.0991	1.6	2.6	12xD	CU	8.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
4x240	0.0754	1.7	2.8	12xD	CU	10.6k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
5x10	1.83	0.7	1.8	12xD	CU	0.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
5x16	1.15	0.7	1.8	12xD	CU	1.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
5x16	1.15	0.7	1.8	12xD	CU	1.2k	XLPE	PVC	90	0.3k	-35-+90	-35	-5
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5x120	0.153	1.2	2.4	12xD	CU	6.8k	XLPE	PVC	90	0.3k	-35-+90	-35	-5