



# N2XS(FL)2Y

Medium Voltage Cables



## DESCRIPTION

The N2XS(FL)2Y cable is a longitudinally watertight medium-voltage cable with a copper conductor, XLPE insulation, and a tightly bonded Al/PE sheath. It offers maximum operational safety for critical

## TECHNICAL DATA

AL / CU	Al foil
Copper	Yes
CE conformity	Conductive tape below
yes	Yes
Copper screen	CPR class
Yes	Fca
Flame retardant	Insulation
no	XLPE
Insulation color	Max operating temp
uncoloured	+90
Max short-circuit temp	Min laying temp
+250	-20
Min storage temp	Non-conductive tape above
-35	Yes
Packaging	Sheath
wooden or metal drums	PE
Sheath color	
black	



## N2XS(FL)2Y

### CROSS-SECTION DATA — 6/10 kV

Spannung: 6/10 kV

Cores & cross-section	DI [mm]	Wi [mm]	lbi [A]	lbe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	OD_cond [mm]	Iso	Sh	T_op_max [C]	T_sc_max [C]		
1x50/16	16.3	3.4	0.2k	0.2k	7.1	2.1	0.5k	Copper	1k	8.2	XLPE	PE	+90	+250	-35- +90	-35
1x70/16	17.9	3.4	0.3k	0.3k	10	2.1	0.6k	Copper	1.2k	9.8	XLPE	PE	+90	+250	-35- +90	-35
1x95/16	19.4	3.4	0.4k	0.3k	13.6	2.1	0.6k	Copper	1.5k	11.3	XLPE	PE	+90	+250	-35- +90	-35
1x120/16	20.9	3.4	0.4k	0.4k	17.1	2.1	0.6k	Copper	1.8k	12.8	XLPE	PE	+90	+250	-35- +90	-35
1x150/25	22.3	3.4	0.5k	0.4k	21.4	2.1	0.6k	Copper	2.1k	14.2	XLPE	PE	+90	+250	-35- +90	-35
1x185/25	23.9	3.4	0.5k	0.5k	26.4	2.1	0.7k	Copper	2.5k	15.8	XLPE	PE	+90	+250	-35- +90	-35
1x240/25	26.4	3.4	0.6k	0.5k	34.3	2.1	0.7k	Copper	3.1k	18.3	XLPE	PE	+90	+250	-35- +90	-35
1x300/25	28.8	3.4	0.7k	0.6k	42.9	2.1	0.8k	Copper	3.7k	20.7	XLPE	PE	+90	+250	-35- +90	-35
1x400/35	31.4	3.4	0.8k	0.7k	57.2	2.1	0.8k	Copper	4.7k	23.3	XLPE	PE	+90	+250	-35- +90	-35
1x500/35	34.6	3.4	0.9k	0.7k	71.4	2.1	0.9k	Copper	5.7k	26.5	XLPE	PE	+90	+250	-35- +90	-35

### CROSS-SECTION DATA — 12/20 kV

Spannung: 12/20 kV

Cores & cross-section	DI [mm]	Wi [mm]	lbi [A]	lbe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	OD_cond [mm]	Iso	Sh	T_op_max [C]	T_sc_max [C]		
1x50/16	20.5	5.5	0.2k	0.2k	7.1	2.1	0.6k	Copper	1.2k	8.2	XLPE	PE	+90	+250	-35- +90	-35
1x70/16	22.1	5.5	0.3k	0.3k	10	2.1	0.6k	Copper	1.4k	9.8	XLPE	PE	+90	+250	-35- +90	-35
1x95/16	23.6	5.5	0.4k	0.3k	13.6	2.1	0.7k	Copper	1.7k	11.3	XLPE	PE	+90	+250	-35- +90	-35
1x120/16	25.1	5.5	0.4k	0.4k	17.1	2.1	0.7k	Copper	2k	12.8	XLPE	PE	+90	+250	-35- +90	-35
1x150/25	26.5	5.5	0.5k	0.4k	21.4	2.1	0.7k	Copper	2.3k	14.2	XLPE	PE	+90	+250	-35- +90	-35
1x185/25	28.1	5.5	0.5k	0.5k	26.4	2.1	0.8k	Copper	2.7k	15.8	XLPE	PE	+90	+250	-35- +90	-35
1x240/25	30.6	5.5	0.6k	0.5k	34.3	2.1	0.8k	Copper	3.3k	18.3	XLPE	PE	+90	+250	-35- +90	-35
1x300/25	33	5.5	0.7k	0.6k	42.9	2.1	0.9k	Copper	4k	20.7	XLPE	PE	+90	+250	-35- +90	-35
1x400/35	35.6	5.5	0.8k	0.7k	57.2	2.1	0.9k	Copper	4.9k	23.3	XLPE	PE	+90	+250	-35- +90	-35
1x500/35	38.8	5.5	1k	0.8k	71.4	2.1	1k	Copper	6k	26.5	XLPE	PE	+90	+250	-35- +90	-35

### CROSS-SECTION DATA — 18/30 kV

Spannung: 18/30 kV

Cores & cross-section	DI [mm]	Wi [mm]	lbi [A]	lbe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	OD_cond [mm]	Iso	Sh	T_op_max [C]	T_sc_max [C]		
1x50/16	25.5	8	0.2k	0.2k	7.1	2.1	0.7k	Copper	1.4k	8.2	XLPE	PE	+90	+250	-35- +90	-35
1x70/16	27.1	8	0.3k	0.3k	10	2.1	0.7k	Copper	1.6k	9.8	XLPE	PE	+90	+250	-35- +90	-35
1x95/16	28.6	8	0.4k	0.3k	13.6	2.1	0.8k	Copper	1.9k	11.3	XLPE	PE	+90	+250	-35- +90	-35
1x120/16	30.1	8	0.4k	0.4k	17.1	2.1	0.8k	Copper	2.2k	12.8	XLPE	PE	+90	+250	-35- +90	-35
1x150/25	31.5	8	0.5k	0.4k	21.4	2.1	0.8k	Copper	2.6k	14.2	XLPE	PE	+90	+250	-35- +90	-35
1x185/25	33.1	8	0.5k	0.5k	26.4	2.1	0.9k	Copper	3k	15.8	XLPE	PE	+90	+250	-35- +90	-35
1x240/25	35.6	8	0.6k	0.5k	34.3	2.1	0.9k	Copper	3.6k	18.3	XLPE	PE	+90	+250	-35- +90	-35
1x300/25	38	8	0.7k	0.6k	42.9	2.1	1k	Copper	4.3k	20.7	XLPE	PE	+90	+250	-35- +90	-35
1x400/35	40.6	8	0.8k	0.7k	57.2	2.1	1k	Copper	5.3k	23.3	XLPE	PE	+90	+250	-35- +90	-35
1x500/35	43.8	8	1k	0.8k	71.4	2.4	1.1k	Copper	6.4k	26.5	XLPE	PE	+90	+250	-35- +90	-35