



NA2XS(FL)2Y

Medium Voltage Cables



DESCRIPTION

The NA2XS(FL)2Y cable is a longitudinally watertight medium-voltage cable with an aluminium conductor, XLPE insulation, and a combined Al/PE sheath. It has been specifically developed for

TECHNICAL DATA

AL / CU	Al foil
Aluminum	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
Operating temp range	Packaging
-35 - +90	wooden or metal drums
Sheath	Sheath color
PE	black



NA2XS(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	
1x35/16	15.3	3.4	0.2k	0.1k	3.3	2.1	0.5k	Aluminum 0.6k	7.2	7.2	XLPE	PE	+90	+250	-35- +90 -3
1x50/16	16.4	3.4	0.2k	0.2k	4.7	2.1	0.5k	Aluminum 0.7k	8.3	8.3	XLPE	PE	+90	+250	-35- +90 -3
1x70/16	17.9	3.4	0.2k	0.2k	6.6	2.1	0.4k	Aluminum 0.8k	9.8	9.8	XLPE	PE	+90	+250	-35- +90 -3
1x95/16	19.4	3.4	0.3k	0.2k	9	2.1	0.6k	Aluminum 0.9k	11.3	11.3	XLPE	PE	+90	+250	-35- +90 -3
1x120/16	20.9	3.4	0.3k	0.3k	11.3	2.1	0.6k	Aluminum 1k	12.8	12.8	XLPE	PE	+90	+250	-35- +90 -3
1x150/25	22.3	3.4	0.4k	0.3k	14.2	2.1	0.6k	Aluminum 1.2k	14.2	14.2	XLPE	PE	+90	+250	-35- +90 -3
1x185/25	23.9	3.4	0.4k	0.4k	17.5	2.1	0.7k	Aluminum 1.3k	15.8	15.8	XLPE	PE	+90	+250	-35- +90 -3
1x240/25	26.2	3.4	0.5k	0.4k	22.7	2.1	0.7k	Aluminum 1.5k	18.1	18.1	XLPE	PE	+90	+250	-35- +90 -3
1x300/25	28.3	3.4	0.6k	0.5k	28.4	2.1	0.8k	Aluminum 1.8k	20.2	20.2	XLPE	PE	+90	+250	-35- +90 -3
1x400/35	31.4	3.4	0.7k	0.5k	37.8	2.1	0.8k	Aluminum 2.2k	23.3	23.3	XLPE	PE	+90	+250	-35- +90 -3
1x500/35	34.6	3.4	0.8k	0.6k	47.3	2.1	0.9k	Aluminum 2.6k	26.5	26.5	XLPE	PE	+90	+250	-35- +90 -3
1x630/35	38	3.4	0.9k	0.7k	59.6	2.1	0.9k	Aluminum 3.1k	29.9	29.9	XLPE	PE	+90	+250	-35- +90 -3
1x800/35	42.3	3.4	1k	0.8k	75.6	2.4	1k	Aluminum 3.7k	34.2	34.2	XLPE	PE	+90	+250	-35- +90 -3
1x1000/35	46.2	3.4	1.2k	0.9k	94	2.4	1.1k	Aluminum 4.4k	38.1	38.1	XLPE	PE	+90	+250	-35- +90 -3

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	
1x50/16	20.6	5.5	0.2k	0.2k	4.7	2.1	0.6k	Aluminum 0.9k	8.3	8.3	XLPE	PE	+90	+250	-35- +90 -3
1x70/16	22.1	5.5	0.2k	0.2k	6.6	2.1	0.6k	Aluminum 1k	9.8	9.8	XLPE	PE	+90	+250	-35- +90 -3
1x95/16	23.6	5.5	0.3k	0.3k	9	2.1	0.7k	Aluminum 1.1k	11.3	11.3	XLPE	PE	+90	+250	-35- +90 -3
1x120/16	25.1	5.5	0.3k	0.3k	11.3	2.1	0.7k	Aluminum 1.2k	12.8	12.8	XLPE	PE	+90	+250	-35- +90 -3
1x150/25	26.5	5.5	0.4k	0.3k	14.2	2.1	0.7k	Aluminum 1.4k	14.2	14.2	XLPE	PE	+90	+250	-35- +90 -3
1x185/25	28.1	5.5	0.4k	0.4k	17.5	2.1	0.8k	Aluminum 1.6k	15.8	15.8	XLPE	PE	+90	+250	-35- +90 -3
1x240/25	30.4	5.5	0.5k	0.4k	22.7	2.1	0.8k	Aluminum 1.8k	18.1	18.1	XLPE	PE	+90	+250	-35- +90 -3
1x300/25	32.5	5.5	0.6k	0.5k	28.4	2.1	0.8k	Aluminum 2k	20.2	20.2	XLPE	PE	+90	+250	-35- +90 -3
1x400/35	35.6	5.5	0.7k	0.5k	37.8	2.1	0.9k	Aluminum 2.5k	23.3	23.3	XLPE	PE	+90	+250	-35- +90 -3
1x500/35	38.8	5.5	0.8k	0.6k	47.3	2.1	1k	Aluminum 2.9k	26.5	26.5	XLPE	PE	+90	+250	-35- +90 -3
1x500/50	38.8	5.5	0.8k	0.6k	47.3	2.1	1k	Aluminum 3.1k	26.5	26.5	XLPE	PE	+90	+250	-35- +90 -3
1x630/35	42.2	5.5	0.9k	0.7k	59.6	2.4	0.8k	Aluminum 3.4k	29.9	29.9	XLPE	PE	+90	+250	-35- +90 -3
1x800/35	46.5	5.5	1k	0.8k	75.6	2.4	0.8k	Aluminum 3.9k	34.2	34.2	XLPE	PE	+90	+250	-35- +90 -3
1x1000/35	50.4	5.5	1.2k	0.9k	94	2.4	1.2k	Aluminum 4.8k	38.1	38.1	XLPE	PE	+90	+250	-35- +90 -3

CROSS-SECTION DATA — 18/30 kV

Spannung: 18/30 kV



NA2XS(FL)2Y

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		
1x50/16	25.6	8	0.2k	0.2k	4.7	2.1	0.7k	Aluminum	1.1k	8.3	XLPE	PE	+90	+250	-35- +90	-3
1x70/16	27.1	8	0.2k	0.2k	6.6	2.1	0.7k	Aluminum	1.2k	9.8	XLPE	PE	+90	+250	-35- +90	-3
1x95/16	28.6	8	0.3k	0.3k	9	2.1	0.8k	Aluminum	1.3k	11.3	XLPE	PE	+90	+250	-35- +90	-3
1x120/16	30.1	8	0.3k	0.3k	11.3	2.1	0.8k	Aluminum	1.5k	12.8	XLPE	PE	+90	+250	-35- +90	-3
1x150/25	31.5	8	0.4k	0.3k	14.2	2.1	0.8k	Aluminum	1.7k	14.2	XLPE	PE	+90	+250	-35- +90	-3
1x185/25	33.1	8	0.4k	0.4k	17.5	2.1	0.9k	Aluminum	1.8k	15.8	XLPE	PE	+90	+250	-35- +90	-3
1x240/25	35.4	8	0.5k	0.4k	22.7	2.1	0.9k	Aluminum	2k	18.1	XLPE	PE	+90	+250	-35- +90	-3
1x300/25	37.5	8	0.6k	0.5k	28.4	2.1	0.9k	Aluminum	2.3k	20.2	XLPE	PE	+90	+250	-35- +90	-3
1x400/35	40.6	8	0.7k	0.5k	37.8	2.1	1k	Aluminum	2.8k	23.3	XLPE	PE	+90	+250	-35- +90	-3
1x500/35	43.8	8	0.8k	0.6k	47.3	2.4	1.1k	Aluminum	3.3k	26.5	XLPE	PE	+90	+250	-35- +90	-3
1x630/35	47.2	8	0.9k	0.7k	59.6	2.4	1.1k	Aluminum	3.6k	29.9	XLPE	PE	+90	+250	-35- +90	-3
1x800/35	51.5	8	1k	0.8k	75.6	2.4	1.2k	Aluminum	4.3k	34.2	XLPE	PE	+90	+250	-35- +90	-3
1x1000/35	55.4	8	1.2k	0.9k	94	2.4	1.3k	Aluminum	5.3k	38.1	XLPE	PE	+90	+250	-35- +90	-3