



# NA2XSY

Mittelspannungskabel

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## TECHNICAL DATA

<b>Al Foil</b>	<b>CE-Conformity</b>
No	yes
<b>Colour of insulation</b>	<b>Colour of sheath</b>
uncoloured	red or black
<b>Conductive tape below screen</b>	<b>Conductor</b>
Yes	Aluminum
<b>Copper wire screen and tape</b>	<b>CPR class</b>
Yes	Eca
<b>Insulation</b>	<b>Maximal operating conductor temperature (°C)</b>
XLPE	+90
<b>Maximal short-circuit temperature (°C)</b>	<b>Minimal storage temperature (°C)</b>
+250	-25
<b>Minimal temperature for laying (°C)</b>	<b>Non conducting tape above screen</b>
-5	Yes
<b>Operating temperature range (°C)</b>	<b>Packaging</b>
-35-+90	wooden or metal drums
<b>Sheath</b>	
PVC	



**NA2XSJ**

**CROSS-SECTION DATA — 6/10 kV**

<b>Voltage</b> 6/10 kV	<b>Test voltage</b> 21 kV	<b>Operating temperature range</b> -35+90 °C
<b>Conductor temperature (max.)</b> +90 °C	<b>Short-circuit temperature (max.)</b> +250 °C	<b>Minimum laying temperature</b> -5 °C
<b>Minimum storage temperature</b> -25 °C	<b>CPR class</b> Eca	<b>Flame retardant</b> EN 60 332-1-2 / EN 60 332-1-3 / ...

Designation	Cond.	C [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x35/16	Al	0.22	15.3	0.868	3.4	153	145	3.3	2.1	360	24	668
1x50/16	Al	0.25	16.4	0.641	3.4	183	171	4.7	2.1	375	25	734
1x70/16	Al	0.28	17.9	0.443	3.4	228	208	6.6	2.1	405	27	824
1x95/16	Al	0.31	19.4	0.32	3.4	278	248	9	2.1	420	28	932
1x120/16	Al	0.34	20.9	0.253	3.4	321	283	11.3	2.1	450	30	1036
1x150/25	Al	0.37	22.3	0.206	3.4	364	315	14.2	2.1	465	31	1222
1x185/16	Al	0.4	23.9	0.164	3.4	418	357	17.5	2.1	495	33	1283
1x185/25	Al	0.41	23.9	0.164	3.4	418	357	17.5	2.1	495	33	1372
1x240/25	Al	0.44	26.2	0.125	3.4	494	413	22.7	2.1	525	35	1579
1x300/25	Al	0.48	28.3	0.1	3.4	568	466	28.4	2.1	570	38	1834
1x400/35	Al	0.54	31.4	0.0778	3.4	660	529	37.8	2.1	600	40	2263
1x500/35	Al	0.62	34.6	0.0605	3.4	767	602	47.3	2.1	645	43	2643
1x630/35	Al	0.67	38	0.0469	3.4	840	681	59.6	2.1	705	47	3120
1x800/35	Al	0.76	42.3	0.0367	3.4	953	754	75.6	2.4	765	51	3760
1x1000/35	Al	0.84	46.2	0.0291	3.4	1187	852	94	2.4	855	57	4724

**CROSS-SECTION DATA — 12/20 kV**

<b>Voltage</b> 12/20 kV	<b>Test voltage</b> 42 kV	<b>Operating temperature range</b> -35+90 °C
<b>Conductor temperature (max.)</b> +90 °C	<b>Short-circuit temperature (max.)</b> +250 °C	<b>Minimum laying temperature</b> -5 °C
<b>Minimum storage temperature</b> -25 °C	<b>CPR class</b> Eca	<b>Flame retardant</b> EN 60 332-1-2



**NA2XSY**

Designation	Cond.	C [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	lbi [A]	lbe [A]	lk [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x50/16	Al	0.17	20.5	0.641	5.5	185	172	4.7	2.1	435	29	936
1x70/16	Al	0.19	22	0.443	5.5	231	210	6.6	2.1	465	31	1037
1x95/16	Al	0.21	23.5	0.32	5.5	280	251	9	2.1	480	32	1157
1x120/16	Al	0.23	25	0.253	5.5	323	285	11.3	2.1	510	34	1274
1x150/25	Al	0.25	26.4	0.206	5.5	366	319	14.2	2.1	540	36	1491
1x185/16	Al	0.27	28	0.164	5.5	420	361	17.5	2.1	555	37	1546
1x185/25	Al	0.27	28	0.164	5.5	420	361	17.5	2.1	555	37	1636
1x240/25	Al	0.3	30.3	0.125	5.5	496	417	22.7	2.1	585	39	1863
1x300/25	Al	0.32	32.4	0.1	5.5	569	471	28.4	2.1	615	41	2084
1x400/35	Al	0.36	35.5	0.0778	5.5	660	535	37.8	2.1	660	44	2567
1x500/35	Al	0.4	38.7	0.0605	5.5	766	609	47.3	2.1	720	48	2992
1x630/35	Al	0.44	42.1	0.0469	5.5	866	697	59.6	2.4	765	51	3520
1x800/35	Al	0.49	46.4	0.0367	5.5	1000	780	75.6	2.4	840	56	4182
1x1000/35	Al	0.54	50.3	0.0291	5.5	1130	868	94.6	2.4	915	61	5165

**CROSS-SECTION DATA — 18/30 kV**

<b>Voltage</b> 18/30 kV	<b>Test voltage</b> 63 kV	<b>Operating temperature range</b> -35+90 °C
<b>Conductor temperature (max.)</b> +90 °C	<b>Short-circuit temperature (max.)</b> +250 °C	<b>Minimum laying temperature</b> -5 °C
<b>Minimum storage temperature</b> -25 °C	<b>CPR class</b> Eca	<b>Flame retardant</b> EN 60 332-1-2

Designation	Cond.	C [uF/km]	DI [mm]	RI [Ohm/km]	Wi [mm]	lbi [A]	lbe [A]	lk [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x50/16	Al	0.13	25.5	0.641	8	187	174	4.7	2.1	510	34	1176
1x70/16	Al	0.15	27	0.443	8	232	213	6.6	2.1	540	36	1290
1x95/16	Al	0.16	28.5	0.32	8	282	254	9	2.1	555	37	1421
1x120/16	Al	0.17	30	0.253	8	325	289	11.3	2.1	585	39	1548
1x150/25	Al	0.19	31.4	0.206	8	367	322	14.2	2.1	600	40	1757
1x185/25	Al	0.2	33	0.164	8	421	364	17.5	2.1	630	42	1930
1x240/25	Al	0.22	35.3	0.125	8	496	422	22.7	2.1	660	44	2172
1x300/25	Al	0.24	37.4	0.1	8	568	476	28.4	2.1	690	46	2424
1x400/35	Al	0.27	40.5	0.0778	8	659	541	37.8	2.1	735	49	2928
1x500/35	Al	0.29	43.7	0.0605	8	764	616	47.3	2.4	795	53	3390
1x630/35	Al	0.32	47.1	0.0469	8	877	702	59.6	2.4	840	56	3937
1x800/35	Al	0.36	51.4	0.0367	8	1000	780	75.6	2.9	915	61	4667
1x1000/35	Al	0.39	55.3	0.0291	8	1142	877	94.6	3	1005	67	5703