



NA2XSY

Mittelspannungskabel



TECHNICAL DATA

Al Foil

No

Colour of insulation

uncoloured

Conductive tape below screen

Yes

Copper wire screen and tape

Yes

Insulation

XLPE

Maximal short-circuit temperature (°C)

+250

Minimal temperature for laying (°C)

-5

Operating temperature range (°C)

-35-+90

Sheath

PVC

CE-Conformity

yes

Colour of sheath

red or black

Conductor

Aluminum

CPR class

Eca

Maximal operating conductor temperature (°C)

+90

Minimal storage temperature (°C)

-25

Non conducting tape above screen

Yes

Packaging

wooden or metal drums



CROSS-SECTION DATA — 6/10 kV

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

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

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

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]
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

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

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]
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