NA2XS(FL)2Y

Hochspannungskabel

TECHNICAL DATA

Al Foil
Yes

CE-Conformity
yes

Colour of insulation
uncoloured

Colour of sheath
black

Conductive tape below screen
Yes

Conductor
Aluminum

Copper wire screen and tape
Yes

CPR class
Fca

Flame retardant
no

Insulation
XLPE

Maximal operating conductor temperature (°C)
+90

Maximal short-circuit temperature (°C)
+250

Minimal storage temperature (°C)
-35

Minimal temperature for laying (°C)
-20

Non conducting tape above screen
Yes

Operating temperature range (°C)
-35-+90

Packaging
wooden or metal drums

Sheath
PE

NA2XS(FL)2Y

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** -20 °C
Minimum storage temperature -35 °C	**CPR class** Fca	**Flame retardant** no

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	160	145	3.3	2.1	500	25	643
1x50/16	Al	0.25	16.4	0.641	3.4	183	171	4.7	2.1	520	26	712
1x70/16	Al	0.28	17.9	0.443	3.4	228	208	6.6	2.1	405	27	796
1x95/16	Al	0.31	19.4	0.32	3.4	278	248	9	2.1	580	29	902
1x120/16	Al	0.34	20.9	0.253	3.4	321	283	11.3	2.1	600	30	1009
1x150/25	Al	0.36	22.3	0.206	3.4	364	315	14.2	2.1	640	32	1193
1x185/25	Al	0.4	23.9	0.164	3.4	418	357	17.5	2.1	660	33	1341
1x240/25	Al	0.44	26.2	0.125	3.4	494	413	22.7	2.1	720	36	1546
1x300/25	Al	0.48	28.3	0.1	3.4	568	466	28.4	2.1	760	38	1797
1x400/35	Al	0.54	31.4	0.0778	3.4	660	529	37.8	2.1	820	41	2222
1x500/35	Al	0.61	34.6	0.0605	3.4	767	602	47.3	2.1	880	44	2599
1x630/35	Al	0.67	38	0.0469	3.4	861	690	59.6	2.1	940	47	3062
1x800/35	Al	0.76	42.3	0.0367	3.4	976	764	75.6	2.4	1040	52	3686
1x1000/35	Al	0.84	46.2	0.0291	3.4	1187	852	94	2.4	1120	56	4372

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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** -20 °C
Minimum storage temperature -35 °C	**CPR class** Fca	**Flame retardant** no

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	20.6	0.641	5.5	185	172	4.7	2.1	600	30	876
1x70/16	Al	0.19	22.1	0.443	5.5	231	210	6.6	2.1	640	32	982
1x95/16	Al	0.21	23.6	0.32	5.5	280	251	9	2.1	660	33	1101
1x120/16	Al	0.23	25.1	0.253	5.5	323	285	11.3	2.1	700	35	1217
1x150/25	Al	0.25	26.5	0.206	5.5	366	319	14.2	2.1	720	36	1412
1x185/25	Al	0.27	28.1	0.164	5.5	420	361	17.5	2.1	760	38	1568
1x240/25	Al	0.3	30.4	0.125	5.5	496	417	22.7	2.1	800	40	1792
1x300/25	Al	0.32	32.5	0.1	5.5	569	471	28.4	2.1	840	42	2020
1x400/35	Al	0.36	35.6	0.078	5.5	660	535	37.8	2.1	900	45	2493
1x500/35	Al	0.4	38.8	0.061	5.5	766	609	47.3	2.1	980	49	2903
1x500/50	Al	0.4	38.8	0.061	5.5	766	609	47.3	2.1	980	49	3059
1x630/35	Al	0.44	42.2	0.047	5.5	866	705	59.6	2.4	780	52	3383
1x800/35	Al	0.49	46.5	0.037	5.5	984	767	75.6	2.4	840	56	3858
1x1000/35	Al	0.55	50.4	0.0291	5.5	1187	863	94	2.4	1220	61	4824

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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** -20 °C
Minimum storage temperature -35 °C	**CPR class** Fca	**Flame retardant** no

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	25.6	0.641	8	187	174	4.7	2.1	700	35	1100
1x70/16	Al	0.15	27.1	0.443	8	232	213	6.6	2.1	740	37	1213
1x95/16	Al	0.16	28.6	0.32	8	282	254	9	2.1	760	38	1339
1x120/16	Al	0.17	30.1	0.253	8	325	289	11.3	2.1	800	40	1463
1x150/25	Al	0.19	31.5	0.206	8	367	322	14.2	2.1	820	41	1660
1x185/25	Al	0.2	33.1	0.164	8	421	364	17.5	2.1	860	43	1837
1x240/25	Al	0.22	35.4	0.125	8	496	422	22.7	2.1	900	45	2049
1x300/25	Al	0.24	37.5	0.1	8	568	476	28.4	2.1	940	47	2336
1x400/35	Al	0.27	40.6	0.0778	8	659	541	37.8	2.1	1000	50	2842
1x500/35	Al	0.29	43.8	0.0605	8	764	616	47.3	2.4	1080	54	3269
1x630/35	Al	0.32	47.2	0.0469	8	866	692	59.6	2.4	1120	56	3590
1x800/35	Al	0.36	51.5	0.0367	8	984	770	75.6	2.4	1200	60	4284
1x1000/35	Al	0.39	55.4	0.0291	8	1196	878	94	2.4	1340	67	5327