NA2XS(F)2Y

Mittelspannungskabel

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TECHNICAL DATA

Al Foil
No

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(F)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]
1x50/16	Al	0.24	16.4	0.641	3.4	183	171	4.7	2.1	375	25	625
1x70/16	Al	0.28	17.9	0.443	3.4	228	208	6.6	2.1	390	26	707
1x95/16	Al	0.31	19.4	0.32	3.4	278	248	9	2.1	420	28	808
1x120/16	Al	0.34	20.9	0.253	3.4	321	283	11.3	2.1	435	29	909
1x150/25	Al	0.36	22.3	0.206	3.4	364	315	14.2	2.1	450	30	1089
1x185/25	Al	0.4	23.9	0.164	3.4	418	357	17.5	2.1	480	32	1232
1x240/25	Al	0.44	26.2	0.125	3.4	494	413	22.7	2.1	510	34	1427
1x300/25	Al	0.48	28.3	0.1	3.4	568	466	28.4	2.1	555	37	1666
1x400/35	Al	0.54	31.4	0.0778	3.4	660	529	37.8	2.1	600	40	2089
1x500/35	Al	0.61	34.6	0.0605	3.4	767	602	47.3	2.1	645	43	2456
1x630/35	Al	0.67	38	0.0469	3.4	855	688	59.6	2.1	690	46	2909
1x800/35	Al	0.76	42.3	0.0367	3.4	968	764	75.6	2.4	765	51	3521
1x1000/35	Al	0.84	46.2	0.0291	3.4	1187	852	94	2.4	825	55	4195

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

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Designation	Cond.	C [uF/km]	Dl [mm]	Rl [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	780
1x70/16	Al	0.19	22	0.443	5.5	231	210	6.6	2.1	450	30	873
1x95/16	Al	0.21	23.5	0.32	5.5	280	251	9	2.1	480	32	984
1x120/16	Al	0.23	25	0.253	5.5	323	285	11.3	2.1	495	33	1093
1x150/25	Al	0.25	26.4	0.206	5.5	366	319	14.2	2.1	525	35	1282
1x185/25	Al	0.27	28	0.164	5.5	420	361	17.5	2.1	540	36	1434
1x240/25	Al	0.3	30.3	0.125	5.5	496	417	22.7	2.1	585	39	1647
1x300/25	Al	0.32	32.4	0.1	5.5	569	471	28.4	2.1	615	41	1869
1x400/35	Al	0.36	35.5	0.0778	5.5	660	535	37.8	2.1	660	44	2321
1x500/35	Al	0.4	38.7	0.0605	5.5	766	609	47.3	2.1	705	47	2728
1x630/35	Al	0.44	42.1	0.0469	5.5	861	690	59.6	2.4	765	51	3227
1x800/35	Al	0.49	46.4	0.0367	5.5	976	764	75.6	2.4	825	55	3846
1x1000/35	Al	0.54	50.3	0.0291	5.5	1095	837	94.6	2.4	900	60	4634

CROSS-SECTION DATA — 18/30 kV

Voltage	Test voltage	Operating temperature range
18/30 kV	63 kV	-35-+90 °C
Conductor temperature (max.)	**Short-circuit temperature (max.)**	**Minimum laying temperature**
+90 °C	+250 °C	-20 °C
Minimum storage temperature	**CPR class**	**Flame retardant**
-35 °C	Fca	no

Designation	Cond.	C [uF/km]	Dl [mm]	Rl [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	988
1x70/16	Al	0.15	27	0.443	8	232	213	6.6	2.1	525	35	1094
1x95/16	Al	0.16	28.5	0.32	8	282	254	9	2.1	555	37	1216
1x120/16	Al	0.17	30	0.253	8	325	289	11.3	2.1	570	38	1335
1x150/25	Al	0.19	31.4	0.206	8	367	322	14.2	2.1	600	40	1535
1x185/25	Al	0.2	33	0.164	8	421	364	17.5	2.1	615	41	1699
1x240/25	Al	0.22	35.3	0.125	8	496	422	22.7	2.1	660	44	1928
1x300/25	Al	0.24	37.4	0.1	8	568	476	28.4	2.1	690	46	2167
1x400/35	Al	0.26	40.5	0.0778	8	659	541	37.8	2.1	735	49	2654
1x500/35	Al	0.29	43.7	0.0605	8	764	616	47.3	2.4	780	52	3087
1x630/35	Al	0.32	47.1	0.0469	8	866	692	59.6	2.4	840	56	3603
1x800/35	Al	0.36	51.4	0.0367	8	984	770	75.6	2.4	900	60	4284

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Designation	Cond.	C [uF/km]	Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x1000/35	Al	0.39	55.3	0.0291	8	1095	841	94.6	2.4	975	65	5093