HOCHSPANNUNGSKABEL

NA2XS(FL)2Y



APPLICATION

The NA2XS(FL)2Y cable is a high-performance high-voltage cable with an aluminum conductor, XLPE insulation, and a waterproof PE sheath. It offers high operational reliability and is specifically designed for underground and demanding route installations.

TECHNICAL DATA

CPR class	Fca	**Flame retardant**	no
Maximal operating conductor temperature (°C)	+90 °C	**Maximal short-circuit temperature (°C)**	+250 °C
Minimal storage temperature (°C)	-35 °C	**Minimal temperature for laying (°C)**	-20 °C
Operating temperature range (°C)	-35-+90 °C	**Shape of conductor**	RM

CONFIGURATIONS — 6/10 KV

Cores & CS	Cond.	Shape	Cap [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	RM	0.22	15.3	0.868	3.4	160	145	3.3	2.1	500	25	643
1x50/16	Al	RM	0.25	16.4	0.641	3.4	183	171	4.7	2.1	520	26	712
1x70/16	Al	RM	0.28	17.9	0.443	3.4	228	208	6.6	2.1	405	27	796
1x95/16	Al	RM	0.31	19.4	0.32	3.4	278	248	9	2.1	580	29	902
1x120/16	Al	RM	0.34	20.9	0.253	3.4	321	283	11.3	2.1	600	30	1009
1x150/25	Al	RM	0.36	22.3	0.206	3.4	364	315	14.2	2.1	640	32	1193
1x185/25	Al	RM	0.4	23.9	0.164	3.4	418	357	17.5	2.1	660	33	1341
1x240/25	Al	RM	0.44	26.2	0.125	3.4	494	413	22.7	2.1	720	36	1546
1x300/25	Al	RM	0.48	28.3	0.1	3.4	568	466	28.4	2.1	760	38	1797
1x400/35	Al	RM	0.54	31.4	0.0778	3.4	660	529	37.8	2.1	820	41	2222
1x500/35	Al	RM	0.61	34.6	0.0605	3.4	767	602	47.3	2.1	880	44	2599
1x630/35	Al	RM	0.67	38	0.0469	3.4	861	690	59.6	2.1	940	47	3062

1x800/35	Al	RM	0.76	42.3	0.0367	3.4	976	764	75.6	2.4	1040	52	3686
1x1000/35	Al	RM	0.84	46.2	0.0291	3.4	1187	852	94	2.4	1120	56	4372

CONFIGURATIONS — 12/20 KV

Cores & CS	Cond.	Shape	Cap [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	RM	0.17	20.6	0.641	5.5	185	172	4.7	2.1	600	30	876
1x70/16	Al	RM	0.19	22.1	0.443	5.5	231	210	6.6	2.1	640	32	982
1x95/16	Al	RM	0.21	23.6	0.32	5.5	280	251	9	2.1	660	33	1101
1x120/16	Al	RM	0.23	25.1	0.253	5.5	323	285	11.3	2.1	700	35	1217
1x150/25	Al	RM	0.25	26.5	0.206	5.5	366	319	14.2	2.1	720	36	1412
1x185/25	Al	RM	0.27	28.1	0.164	5.5	420	361	17.5	2.1	760	38	1568
1x240/25	Al	RM	0.3	30.4	0.125	5.5	496	417	22.7	2.1	800	40	1792
1x300/25	Al	RM	0.32	32.5	0.1	5.5	569	471	28.4	2.1	840	42	2020
1x400/35	Al	RM	0.36	35.6	0.078	5.5	660	535	37.8	2.1	900	45	2493
1x500/35	Al	RM	0.4	38.8	0.061	5.5	766	609	47.3	2.1	980	49	2903
1x500/50	Al	RM	0.4	38.8	0.061	5.5	766	609	47.3	2.1	980	49	3059
1x630/35	Al	RM	0.44	42.2	0.047	5.5	866	705	59.6	2.4	780	52	3383
1x800/35	Al	RM	0.49	46.5	0.037	5.5	984	767	75.6	2.4	840	56	3858
1x1000/35	Al	RM	0.55	50.4	0.0291	5.5	1187	863	94	2.4	1220	61	4824

CONFIGURATIONS — 18/30 KV

Cores & CS	Cond.	Shape	Cap [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	RM	0.13	25.6	0.641	8	187	174	4.7	2.1	700	35	1100
1x70/16	Al	RM	0.15	27.1	0.443	8	232	213	6.6	2.1	740	37	1213
1x95/16	Al	RM	0.16	28.6	0.32	8	282	254	9	2.1	760	38	1339
1x120/16	Al	RM	0.17	30.1	0.253	8	325	289	11.3	2.1	800	40	1463
1x150/25	Al	RM	0.19	31.5	0.206	8	367	322	14.2	2.1	820	41	1660
1x185/25	Al	RM	0.2	33.1	0.164	8	421	364	17.5	2.1	860	43	1837
1x240/25	Al	RM	0.22	35.4	0.125	8	496	422	22.7	2.1	900	45	2049
1x300/25	Al	RM	0.24	37.5	0.1	8	568	476	28.4	2.1	940	47	2336
1x400/35	Al	RM	0.27	40.6	0.0778	8	659	541	37.8	2.1	1000	50	2842
1x500/35	Al	RM	0.29	43.8	0.0605	8	764	616	47.3	2.4	1080	54	3269
1x630/35	Al	RM	0.32	47.2	0.0469	8	866	692	59.6	2.4	1120	56	3590
1x800/35	Al	RM	0.36	51.5	0.0367	8	984	770	75.6	2.4	1200	60	4284
1x1000/35	Al	RM	0.39	55.4	0.0291	8	1196	878	94	2.4	1340	67	5327