NA2XS2Y

Medium Voltage Cables

DESCRIPTION

The NA2XS2Y cable is a high-performance medium-voltage cable with an aluminium conductor, XLPE insulation, and a robust PE sheath. It is perfectly suited for underground applications and impresses with its thermal load capacity, mechanical durability, and partial discharge-free design.

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

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		

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	153	145	3.3	2.1	345	23	563
1x50/16	Al	RM	0.25	16.4	0.641	3.4	183	171	4.7	2.1	375	25	624
1x70/16	Al	RM	0.28	17.9	0.443	3.4	228	208	6.6	2.1	390	26	707
1x95/16	Al	RM	0.31	19.4	0.32	3.4	278	248	9	2.1	420	28	808
1x120/16	Al	RM	0.34	20.9	0.253	3.4	321	283	11.3	2.1	435	29	905
1x150/25	Al	RM	0.36	22.3	0.206	3.4	364	315	14.2	2.1	450	30	1085
1x185/25	Al	RM	0.4	23.9	0.164	3.4	418	357	17.5	2.1	480	32	1226
1x240/25	Al	RM	0.44	26.2	0.125	3.4	494	413	22.7	2.1	510	34	1423
1x300/25	Al	RM	0.48	28.3	0.1	3.4	568	466	28.4	2.1	555	37	1666
1x400/35	Al	RM	0.54	31.4	0.0778	3.4	660	529	37.8	2.1	600	40	2082
1x500/35	Al	RM	0.61	34.6	0.0605	3.4	767	602	47.3	2.1	645	43	2447
1x630/35	Al	RM	0.66	38	0.0469	3.4	855	685	59.6	2.1	690	46	2909
1x800/35	Al	RM	0.76	42.3	0.0367	3.4	968	764	75.6	2.4	765	51	3520
1x1000/35	Al	RM	0.84	46.2	0.0291	3.4	1187	852	94	2.4	855	57	4422

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		

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	435	29	795
1x70/16	Al	RM	0.19	22.1	0.443	5.5	231	210	6.6	2.1	465	31	888
1x95/16	Al	RM	0.21	23.6	0.32	5.5	280	251	9	2.1	480	32	999
1x120/16	Al	RM	0.23	25.1	0.253	5.5	323	285	11.3	2.1	510	34	1108
1x150/25	Al	RM	0.25	26.5	0.206	5.5	366	319	14.2	2.1	525	35	1301
1x185/25	Al	RM	0.27	28.1	0.164	5.5	420	361	17.5	2.1	555	37	1452
1x240/25	Al	RM	0.3	30.4	0.125	5.5	496	417	22.7	2.1	585	39	1671
1x300/25	Al	RM	0.32	32.5	0.1	5.5	569	471	28.4	2.1	615	41	1893
1x400/35	Al	RM	0.36	35.6	0.078	5.5	660	535	37.8	2.1	660	44	2357
1x500/35	Al	RM	0.4	38.8	0.061	5.5	766	609	47.3	2.1	705	47	2757
1x630/35	Al	RM	0.44	42.2	0.047	5.5	861	690	59.6	2.4	765	51	3227
1x800/35	Al	RM	0.49	46.5	0.037	5.5	976	764	75.6	2.4	840	56	3856
1x1000/35	Al	RM	0.55	50.4	0.0291	5.5	1187	863	94	2.4	915	61	4824

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		

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	510	34	1009
1x70/16	Al	RM	0.15	27.1	0.443	8	232	213	6.6	2.1	540	36	1115
1x95/16	Al	RM	0.16	28.6	0.32	8	282	254	9	2.1	555	37	1237
1x120/16	Al	RM	0.17	30.1	0.253	8	325	289	11.3	2.1	585	39	1357
1x150/25	Al	RM	0.19	31.5	0.206	8	367	322	14.2	2.1	600	40	1561
1x185/25	Al	RM	0.2	33.1	0.164	8	421	364	17.5	2.1	630	42	1721

1x240/25	Al	RM	0.22	35.4	0.125	8	496	422	22.7	2.1	660	44	1956
1x300/25	Al	RM	0.24	37.5	0.1	8	568	476	28.4	2.1	690	46	2203
1x400/35	Al	RM	0.26	40.6	0.078	8	659	541	37.8	2.1	735	49	2693
1x500/35	Al	RM	0.29	43.8	0.061	8	764	616	47.3	2.4	795	53	3119
1x630/35	Al	RM	0.32	47.2	0.047	8	861	690	59.6	2.4	840	56	3617
1x800/35	Al	RM	0.36	51.5	0.037	8	984	770	75.6	2.4	915	61	4300
1x1000/35	Al	RM	0.39	55.4	0.0291	8	1196	878	94	2.4	1005	67	5326