NA2XSY

Medium Voltage Cables

DESCRIPTION

The NA2XSY cable is a medium-voltage cable with aluminium conductor, XLPE insulation, and copper shielding, suitable for underground installation. It is designed for demanding power distribution tasks and stands out for its high operational reliability, excellent installation properties, and thermal resistance up to 90 °C.

TECHNICAL DATA

CPR class	Eca
Maximal operating conductor temperature (°C)	+90 °C
Maximal short-circuit temperature (°C)	+250 °C
Minimal storage temperature (°C)	-25 °C
Minimal temperature for laying (°C)	-5 °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	-5 °C
Minimum storage temperature	-25 °C
CPR class	Eca
Flame retardant	EN 60 332-1-2 / EN 60 332-1-3 / EN 60 332-1-4 / ...

Cores & cross-section	Shape	Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x35/16	RM	15.3	0.868	3.4	153	145	3.3	2.1	360	24	668
1x50/16	RM	16.4	0.641	3.4	183	171	4.7	2.1	375	25	734
1x70/16	RM	17.9	0.443	3.4	228	208	6.6	2.1	405	27	824
1x95/16	RM	19.4	0.32	3.4	278	248	9	2.1	420	28	932
1x120/16	RM	20.9	0.253	3.4	321	283	11.3	2.1	450	30	1036
1x150/25	RM	22.3	0.206	3.4	364	315	14.2	2.1	465	31	1222
1x185/16	RM	23.9	0.164	3.4	418	357	17.5	2.1	495	33	1283
1x185/25	RM	23.9	0.164	3.4	418	357	17.5	2.1	495	33	1372
1x240/25	RM	26.2	0.125	3.4	494	413	22.7	2.1	525	35	1579
1x300/25	RM	28.3	0.1	3.4	568	466	28.4	2.1	570	38	1834
1x400/35	RM	31.4	0.0778	3.4	660	529	37.8	2.1	600	40	2263
1x500/35	RM	34.6	0.0605	3.4	767	602	47.3	2.1	645	43	2643
1x630/35	RM	38	0.0469	3.4	840	681	59.6	2.1	705	47	3120
1x800/35	RM	42.3	0.0367	3.4	953	754	75.6	2.4	765	51	3760
1x1000/35	RM	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

Cores & cross-section	Shape	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x50/16	RM	20.5	0.641	5.5	185	172	4.7	2.1	435	29	936
1x70/16	RM	22	0.443	5.5	231	210	6.6	2.1	465	31	1037
1x95/16	RM	23.5	0.32	5.5	280	251	9	2.1	480	32	1157
1x120/16	RM	25	0.253	5.5	323	285	11.3	2.1	510	34	1274
1x150/25	RM	26.4	0.206	5.5	366	319	14.2	2.1	540	36	1491
1x185/16	RM	28	0.164	5.5	420	361	17.5	2.1	555	37	1546
1x185/25	RM	28	0.164	5.5	420	361	17.5	2.1	555	37	1636
1x240/25	RM	30.3	0.125	5.5	496	417	22.7	2.1	585	39	1863
1x300/25	RM	32.4	0.1	5.5	569	471	28.4	2.1	615	41	2084
1x400/35	RM	35.5	0.0778	5.5	660	535	37.8	2.1	660	44	2567
1x500/35	RM	38.7	0.0605	5.5	766	609	47.3	2.1	720	48	2992
1x630/35	RM	42.1	0.0469	5.5	866	697	59.6	2.4	765	51	3520
1x800/35	RM	46.4	0.0367	5.5	1000	780	75.6	2.4	840	56	4182
1x1000/35	RM	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

Cores & cross-section	Shape	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
1x50/16	RM	25.5	0.641	8	187	174	4.7	2.1	510	34	1176
1x70/16	RM	27	0.443	8	232	213	6.6	2.1	540	36	1290
1x95/16	RM	28.5	0.32	8	282	254	9	2.1	555	37	1421
1x120/16	RM	30	0.253	8	325	289	11.3	2.1	585	39	1548
1x150/25	RM	31.4	0.206	8	367	322	14.2	2.1	600	40	1757
1x185/25	RM	33	0.164	8	421	364	17.5	2.1	630	42	1930
1x240/25	RM	35.3	0.125	8	496	422	22.7	2.1	660	44	2172
1x300/25	RM	37.4	0.1	8	568	476	28.4	2.1	690	46	2424
1x400/35	RM	40.5	0.0778	8	659	541	37.8	2.1	735	49	2928
1x500/35	RM	43.7	0.0605	8	764	616	47.3	2.4	795	53	3390
1x630/35	RM	47.1	0.0469	8	877	702	59.6	2.4	840	56	3937
1x800/35	RM	51.4	0.0367	8	1000	780	75.6	2.9	915	61	4667
1x1000/35	RM	55.3	0.0291	8	1142	877	94.6	3	1005	67	5703