NA2XS(F)2Y

Medium Voltage Cables

DESCRIPTION

The NA2XS(F)2Y cable is a longitudinally watertight medium-voltage cable with an aluminium conductor, XLPE insulation, and a durable PE sheath. It is designed for energy-efficient and safe installation in the ground and critical network areas.

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 & 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	16.4	0.641	3.4	183	171	4.7	2.1	375	25	625
1x70/16	RM	17.9	0.443	3.4	228	208	6.6	2.1	390	26	707
1x95/16	RM	19.4	0.32	3.4	278	248	9	2.1	420	28	808
1x120/16	RM	20.9	0.253	3.4	321	283	11.3	2.1	435	29	909
1x150/25	RM	22.3	0.206	3.4	364	315	14.2	2.1	450	30	1089
1x185/25	RM	23.9	0.164	3.4	418	357	17.5	2.1	480	32	1232
1x240/25	RM	26.2	0.125	3.4	494	413	22.7	2.1	510	34	1427
1x300/25	RM	28.3	0.1	3.4	568	466	28.4	2.1	555	37	1666
1x400/35	RM	31.4	0.0778	3.4	660	529	37.8	2.1	600	40	2089
1x500/35	RM	34.6	0.0605	3.4	767	602	47.3	2.1	645	43	2456
1x630/35	RM	38	0.0469	3.4	855	688	59.6	2.1	690	46	2909
1x800/35	RM	42.3	0.0367	3.4	968	764	75.6	2.4	765	51	3521
1x1000/35	RM	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

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

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 & 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]
1x50/16	RM	25.5	0.641	8	187	174	4.7	2.1	510	34	988
1x70/16	RM	27	0.443	8	232	213	6.6	2.1	525	35	1094
1x95/16	RM	28.5	0.32	8	282	254	9	2.1	555	37	1216
1x120/16	RM	30	0.253	8	325	289	11.3	2.1	570	38	1335
1x150/25	RM	31.4	0.206	8	367	322	14.2	2.1	600	40	1535
1x185/25	RM	33	0.164	8	421	364	17.5	2.1	615	41	1699
1x240/25	RM	35.3	0.125	8	496	422	22.7	2.1	660	44	1928
1x300/25	RM	37.4	0.1	8	568	476	28.4	2.1	690	46	2167
1x400/35	RM	40.5	0.0778	8	659	541	37.8	2.1	735	49	2654
1x500/35	RM	43.7	0.0605	8	764	616	47.3	2.4	780	52	3087
1x630/35	RM	47.1	0.0469	8	866	692	59.6	2.4	840	56	3603
1x800/35	RM	51.4	0.0367	8	984	770	75.6	2.4	900	60	4284
1x1000/35	RM	55.3	0.0291	8	1095	841	94.6	2.4	975	65	5093