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

Cores & CS	LF	LD mm	ID mm	DI mm	MWD mm	AD mm	BR	G kg	RI Ohm	BK	SBL 30	SBE 20
1x35/16	RM	7.2	3.4	15.3	2.1	23	345	563	0.868	3.3	153	145
1x50/16	RM	8.3	3.4	16.4	2.1	25	375	624	0.641	4.7	183	171
1x70/16	RM	9.8	3.4	17.9	2.1	26	390	707	0.443	6.6	228	208
1x95/16	RM	11.3	3.4	19.4	2.1	28	420	808	0.32	9	278	248
1x120/16	RM	12.8	3.4	20.9	2.1	29	435	905	0.253	11.3	321	283
1x150/25	RM	14.2	3.4	22.3	2.1	30	450	1085	0.206	14.2	364	315
1x185/25	RM	15.8	3.4	23.9	2.1	32	480	1226	0.164	17.5	418	357
1x240/25	RM	18.1	3.4	26.2	2.1	34	510	1423	0.125	22.7	494	413
1x300/25	RM	20.2	3.4	28.3	2.1	37	555	1666	0.1	28.4	568	466
1x400/35	RM	23.3	3.4	31.4	2.1	40	600	2082	0.0778	37.8	660	529
1x500/35	RM	26.5	3.4	34.6	2.1	43	645	2447	0.0605	47.3	767	602
1x630/35	RM	29.9	3.4	38	2.1	46	690	2909	0.0469	59.6	855	685
1x800/35	RM	34.2	3.4	42.3	2.4	51	765	3520	0.0367	75.6	968	764
1x1000/35	RM	38.1	3.4	46.2	2.4	57	855	4422	0.0291	94	1187	852

CROSS-SECTION DATA — 12/20 kV

Cores & CS	LF	LD mm	ID mm	DI mm	MWD mm	AD mm	BR	G kg	RI Ohm	BK	SBL 30	SBE 20
1x50/16	RM	8.3	5.5	20.6	2.1	29	435	795	0.641	4.7	185	172
1x70/16	RM	9.8	5.5	22.1	2.1	31	465	888	0.443	6.6	231	210
1x95/16	RM	11.3	5.5	23.6	2.1	32	480	999	0.32	9	280	251
1x120/16	RM	12.8	5.5	25.1	2.1	34	510	1108	0.253	11.3	323	285
1x150/25	RM	14.2	5.5	26.5	2.1	35	525	1301	0.206	14.2	366	319
1x185/25	RM	15.8	5.5	28.1	2.1	37	555	1452	0.164	17.5	420	361
1x240/25	RM	18.1	5.5	30.4	2.1	39	585	1671	0.125	22.7	496	417
1x300/25	RM	20.2	5.5	32.5	2.1	41	615	1893	0.1	28.4	569	471
1x400/35	RM	23.3	5.5	35.6	2.1	44	660	2357	0.078	37.8	660	535
1x500/35	RM	26.5	5.5	38.8	2.1	47	705	2757	0.061	47.3	766	609
1x630/35	RM	29.9	5.5	42.2	2.4	51	765	3227	0.047	59.6	861	690
1x800/35	RM	34.2	5.5	46.5	2.4	56	840	3856	0.037	75.6	976	764
1x1000/35	RM	38.1	5.5	50.4	2.4	61	915	4824	0.0291	94	1187	863

CROSS-SECTION DATA — 18/30 kV

Cores & CS	LF	LD mm	ID mm	DI mm	MWD mm	AD mm	BR	G kg	RI Ohm	BK	SBL 30	SBE 20

1x50/16	RM	8.3	8	25.6	2.1	34	510	1009	0.641	4.7	187	174
1x70/16	RM	9.8	8	27.1	2.1	36	540	1115	0.443	6.6	232	213
1x95/16	RM	11.3	8	28.6	2.1	37	555	1237	0.32	9	282	254
1x120/16	RM	12.8	8	30.1	2.1	39	585	1357	0.253	11.3	325	289
1x150/25	RM	14.2	8	31.5	2.1	40	600	1561	0.206	14.2	367	322
1x185/25	RM	15.8	8	33.1	2.1	42	630	1721	0.164	17.5	421	364
1x240/25	RM	18.1	8	35.4	2.1	44	660	1956	0.125	22.7	496	422
1x300/25	RM	20.2	8	37.5	2.1	46	690	2203	0.1	28.4	568	476
1x400/35	RM	23.3	8	40.6	2.1	49	735	2693	0.078	37.8	659	541
1x500/35	RM	26.5	8	43.8	2.4	53	795	3119	0.061	47.3	764	616
1x630/35	RM	29.9	8	47.2	2.4	56	840	3617	0.047	59.6	861	690
1x800/35	RM	34.2	8	51.5	2.4	61	915	4300	0.037	75.6	984	770
1x1000/35	RM	38.1	8	55.4	2.4	67	1005	5326	0.0291	94	1196	878

ABBREVIATIONS

LF	Leiterform	**LD mm**	Leiterdurchmesser ca.
ID mm	Isolierwanddicke NWD	**DI mm**	Durchmesser über Isolierung ca.
MWD mm	Manteldicke Kleinstwert	**AD mm**	Aussendurchmesser ca.
BR	Biegeradius	**G kg**	Gewicht ca.
RI Ohm	RI Ohm/km 20Grad	**BK**	Bemessungs-Kurzschlußstrom 1 s
SBL 30	Strombelastbarkeit in Luft 30 Grad	**SBE 20**	Strombelastbarkeit in Erde 20 Grad