



N2XSY

Medium Voltage Cables



DESCRIPTION

The N2XSY cable is a high-performance medium-voltage cable with a copper conductor, XLPE insulation, and a PVC sheath. It offers excellent electrical characteristics and can be installed safely and efficiently, even in complex routing situations.

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

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	24	360	904	0.524	5	197	187
1x50/16	RM	8.2	3.4	16.3	2.1	26	390	1039	0.387	7.1	238	220
1x70/16	RM	9.8	3.4	17.9	2.1	27	405	1271	0.268	10	294	268
1x95/16	RM	11.3	3.4	19.4	2.1	29	435	1530	0.193	13.6	358	320
1x120/16	RM	12.8	3.4	20.9	2.1	30	450	1809	0.153	17.1	413	363
1x150/25	RM	14.2	3.4	22.3	2.1	32	480	2158	0.124	21.4	468	405
1x185/25	RM	15.8	3.4	23.9	2.1	33	495	2524	0.099	26.4	535	456
1x240/25	RM	18.3	3.4	26.4	2.1	36	540	3117	0.075	34.3	631	526
1x300/25	RM	20.7	3.4	28.8	2.1	38	570	3786	0.06	42.9	722	591
1x400/35	RM	23.3	3.4	31.4	2.1	41	615	4750	0.047	57.2	827	662
1x500/35	RM	26.5	3.4	34.6	2.1	44	660	5786	0.037	71.4	949	744

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
1x35/16	RM	7.2	5.5	19.5	2.1	29	435	1069	0.524	5	200	189
1x50/16	RM	8.2	5.5	20.5	2.1	30	450	1203	0.387	7.1	239	222
1x70/16	RM	9.8	5.5	22.1	2.1	31	465	1447	0.268	10	297	271
1x95/16	RM	11.3	5.5	23.6	2.1	33	495	1718	0.193	13.6	361	323
1x120/16	RM	12.8	5.5	25.1	2.1	34	510	2007	0.153	17.1	416	367
1x150/25	RM	14.2	5.5	26.5	2.1	36	540	2364	0.124	21.4	470	409
1x185/25	RM	15.8	5.5	28.1	2.1	37	555	2744	0.099	26.4	538	461
1x240/25	RM	18.3	5.5	30.6	2.1	40	600	3352	0.075	34.3	634	532
1x300/25	RM	20.7	5.5	33	2.1	42	630	4032	0.06	42.9	724	599
1x400/35	RM	23.3	5.5	35.6	2.1	45	675	4988	0.047	57.2	829	671
1x500/35	RM	26.5	5.5	38.8	2.1	48	720	6080	0.037	71.4	953	754

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	8.2	8	25.5	2.1	35	525	1439	0.387	7.1	241	225
1x70/16	RM	9.8	8	27.1	2.1	36	540	1697	0.268	10	299	274
1x95/16	RM	11.3	8	28.6	2.1	38	570	1979	0.193	13.6	363	327
1x120/16	RM	12.8	8	30.1	2.1	39	585	2279	0.153	17.1	418	371
1x150/25	RM	14.2	8	31.5	2.1	41	615	2648	0.124	21.4	472	414



1x185/25	RM	15.8	8	33.1	2.1	42	630	3036	0.099	26.4	539	466
1x240/25	RM	18.3	8	35.6	2.1	45	675	3661	0.075	34.3	635	539
1x300/25	RM	20.7	8	38	2.1	47	705	4368	0.06	42.9	725	606
1x400/35	RM	23.3	8	40.6	2.1	50	750	5347	0.047	57.2	831	680
1x500/35	RM	26.5	8	43.8	2.4	53	795	6472	0.037	71.4	953	765

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