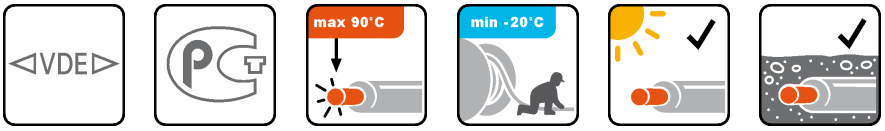
Medium voltage cable N2XS2Y acc. to VDE 0276-620

conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
flame retardant:	no
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	+70 °C
temperature, moved/during installation:	-20 - +70 °C
bending radius, fixed installation:	15 x DA
partial discharge:	2 pC

	N2XS2Y 6/10 kV	*N2XS2Y 12/20 kV*	*N2XS2Y 18/30 kV*
maximum permitted operating voltage in 3-phase systems:	12 kV	24 kV	36 kV
nominal voltage U:	10 kV	20 kV	30 kV
nominal voltage Uo:	6 kV	12 kV	18 kV
test voltage:	21 kV	42 kV	63 kV

Application: For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation.

Russia:	*ПвЭП*
Switzerland:	*XKT*
Austria:	*E-2XHC2Y*



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data N2XS2Y 6/10 kV

Art.-Nr.	part-name		DI [mm]	RI [Ω/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
011352	N2XS2Y 01X35/16 6/10 kV SW	RM	7,5	0,524	3,4	197	187	5	360	24	1750	518	900
011353	N2XS2Y 01X50/16 6/10 kV SW	RMv	8,6	0,387	3,4	236	220	7,15	375	25	2500	662	950
011354	N2XS2Y 01X70/16 6/10 kV SW	RMv	10,2	0,268	3,4	294	268	10	405	27	3500	854	1200
011355	N2XS2Y 01X95/16 6/10 kV SW	RMv	12	0,193	3,4	358	320	13,6	420	28	4750	1094	1450
011356	N2XS2Y 01X120/16 6/10 kV SW	RMv	13,5	0,153	3,4	413	363	17,2	450	30	6000	1334	1700
011357	N2XS2Y 01X150/16 6/10 kV SW	RMv	15	0,124	3,4	468	405	21,4	465	31	7500	1622	1950
011358	N2XS2Y 01X150/25 6/10 kV SW	RMv	15	0,124	3,4	470	409	21,4	465	31	7500	1723	2050
011359	N2XS2Y 01X185/16 6/10 kV SW	RMv	16,8	0,0991	3,4	535	456	26,5	495	33	9250	1958	2350
011360	N2XS2Y 01X185/25 6/10 kV SW	RMv	16,8	0,0991	3,4	535	456	26,5	495	33	9250	2059	2400
011361	N2XS2Y 01X240/16 6/10 kV SW	RMv	19,2	0,0754	3,4	631	526	34,3	525	35	12000	2486	2900
011362	N2XS2Y 01X240/25 6/10 kV SW	RMv	19,2	0,0754	3,4	631	526	34,3	525	35	12000	2587	2950
011363	N2XS2Y 01X300/25 6/10 kV SW	RMv	21,6	0,0601	3,4	722	591	42,9	555	37	15000	3163	3550
011364	N2XS2Y 01X400/35 6/10 kV SW	RMv	24,6	0,047	3,4	827	662	57,2	615	41	20000	4234	4500
011365	N2XS2Y 01X500/35 6/10 kV SW	RMv	27,6	0,0366	3,4	949	744	71,5	660	44	25000	5194	5500
012047	(N)2XS2Y 01X630/35 6/10 kV SW	RMv	32,5	0,0283	3,4	1090	820	90,1	585	49	31500	6384	6840

The current rating in air *Ibl* refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground Ibe refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

table: technical data N2XS2Y 12/20 kV

Art.-Nr.	part-name		Dl [mm]	Rl [Ω/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
011366	N2XS2Y 01X35/16 12/20 kV SW	RM	7,5	0,524	5,5	200	189	5	420	28	1750	518	970
011367	N2XS2Y 01X50/16 12/20 kV SW	RMv	8,6	0,387	5,5	239	222	7,15	435	29	2500	662	1150
011368	N2XS2Y 01X70/16 12/20 kV SW	RMv	10,2	0,268	5,5	297	271	10	465	31	3500	854	1350
011369	N2XS2Y 01X95/16 12/20 kV SW	RMv	12	0,193	5,5	361	323	13,6	480	32	4750	1094	1650
011370	N2XS2Y 01X120/16 12/20 kV SW	RMv	13,5	0,153	5,5	416	367	17,2	510	34	6000	1334	1900
011371	N2XS2Y 01X150/16 12/20 kV SW	RMv	15	0,124	5,5	470	409	21,4	525	35	7500	1622	2150
011372	N2XS2Y 01X150/25 12/20 kV SW	RMv	15	0,124	5,5	470	409	21,4	525	35	7500	1723	2250
011373	N2XS2Y 01X185/16 12/20 kV SW	RMv	16,8	0,0991	5,5	538	461	26,5	555	37	9250	1958	2550
011374	N2XS2Y 01X185/25 12/20 kV SW	RMv	16,8	0,0991	5,5	538	461	26,5	555	37	9250	2059	2600
011375	N2XS2Y 01X240/16 12/20 kV SW	RMv	19,2	0,0754	5,5	634	532	34,3	600	40	12000	2486	3100
011376	N2XS2Y 01X240/25 12/20 kV SW	RMv	19,2	0,0754	5,5	634	532	34,3	600	40	12000	2587	3200
011377	N2XS2Y 01X300/25 12/20 kV SW	RMv	21,6	0,0601	5,5	724	599	42,9	630	42	15000	3163	3800
011378	N2XS2Y 01X400/35 12/20 kV SW	RMv	24,6	0,047	5,5	829	671	57,2	675	45	20000	4234	4750
011379	N2XS2Y 01X500/35 12/20 kV SW	RMv	27,6	0,0366	5,5	953	754	71,5	720	48	25000	5194	5800

The current rating in air *Ibl* refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground Ibe refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

table: technical data N2XS2Y 18/30 kV

Art.-Nr.	part-name		Dl [mm]	Rl [Ω/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
011380	N2XS2Y 01X50/16 18/30 kV SW	RMv	8,6	0,387	8	241	225	7,15	510	34	2500	662	1350
011383	N2XS2Y 01X70/16 18/30 kV SW	RMv	10,2	0,268	8	299	274	10	540	36	3500	854	1600
011384	N2XS2Y 01X95/16 18/30 kV SW	RMv	12	0,193	8	363	327	13,6	555	37	4750	1094	1900
011385	N2XS2Y 01X120/16 18/30 kV SW	RMv	13,5	0,153	8	418	371	11,3	585	39	6000	1334	2150
011386	N2XS2Y 01X150/25 18/30 kV SW	RMv	15	0,124	8	472	414	21,4	600	40	7500	1723	2550
011387	N2XS2Y 01X185/25 18/30 kV SW	RMv	16,8	0,0991	8	539	466	26,5	630	42	9250	2059	2900
011388	N2XS2Y 01X240/25 18/30 kV SW	RMv	19,2	0,0754	8	635	539	34,3	660	44	12000	2587	3500
011389	N2XS2Y 01X300/25 18/30 kV SW	RMv	21,6	0,0601	8	725	606	42,9	705	47	15000	3163	4150
011390	N2XS2Y 01X400/35 18/30 kV SW	RMv	24,6	0,047	8	831	680	57,2	750	50	20000	4234	5100
011391	N2XS2Y 01X500/35 18/30 kV SW	RMv	27,6	0,0366	8	953	765	71,5	795	53	25000	5194	6200

The current rating in air *Ibl* refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground Ibe refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.