

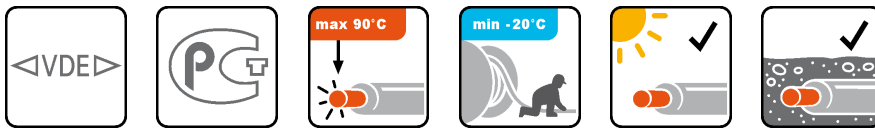
Medium voltage cable N2XS(F)2Y acc. to VDE 0276-620

conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
bonded sheath:	yes
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

	N2XS(F)2Y 6/10 kV	N2XS(F)2Y 12/20 kV	N2XS(F)2Y 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 U₀:	6 kV	12 kV	18 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. The water blocking tape avoids water propagation inside the cable.

Austria: E-2XHCJ2Y
Russia: АПвЭзП



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 N2XS(F)2Y 6/10 kV

Art.-Nr.	part-name	RMv	DI [mm]	RI [Ω/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
011479	N2XS(F)2Y 01X50/16 6/10 kV SW	RMv	8,6	0,387	3,4	236	220	7,15	375	25	2500	662	1150
011480	N2XS(F)2Y 01X70/16 6/10 kV SW	RMv	10,2	0,268	3,4	294	268	10	405	27	3500	854	1400
011481	N2XS(F)2Y 01X95/16 6/10 kV SW	RMv	12	0,193	3,4	358	320	13,6	420	28	4750	1094	1650
012712	(N)2XS(F)2Y 01X95/35 6/10 kV SW	RMv	12	0,193	3,4	358	320	13,6	420	28	4750	1306	1617
011482	N2XS(F)2Y 01X120/16 6/10 kV SW	RMv	13,5	0,153	3,4	413	363	17,2	450	30	6000	1334	1900
011483	N2XS(F)2Y 01X150/25 6/10 kV SW	RMv	15	0,124	3,4	468	405	21,4	465	31	7500	1723	2300
011484	N2XS(F)2Y 01X185/25 6/10 kV SW	RMv	16,8	0,0991	3,4	535	456	26,5	495	33	9250	2059	2650
011485	N2XS(F)2Y 01X240/25 6/10 kV SW	RMv	19,2	0,0754	3,4	631	526	34,3	525	35	12000	2587	3250
011486	N2XS(F)2Y 01X300/25 6/10 kV SW	RMv	21,6	0,0601	3,4	722	591	42,9	555	37	15000	3163	3850
012680	(N)2XS(F)2Y 01X300/50 6/10 kV SW	RMv	21,6	0,0601	3,4	722	591	42,9	555	37	15000	3440	3761
011487	N2XS(F)2Y 01X400/35 6/10 kV SW	RMv	24,6	0,0470	3,4	827	662	57,2	615	41	20000	4234	4800
011488	N2XS(F)2Y 01X500/35 6/10 kV SW	RMv	27,6	0,0366	3,4	949	744	71,5	660	44	25000	5194	5900
012224	N2XS(F)2Y 01X630/35 6/10 kV SW	RMv	32,5	0,0283	3,4	1090	820	90,1	735	49	31500	6442	7014

The current rating in air I_{bl} refers to an ambient temperature of 30 °C, a load factor of 1,0 and threefold bunching. The current rating in ground I_{be} refers to ground temperature of 20 °C, a load factor of 0,7 and threefold bunching.

table: technical data N2XS(F)2Y 12/20 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]
011546	N2XS(F)2Y 1X35/16 12/20 kV SW	RM	7,5	0,524	5,5	200	189	5	420	28	1750	518	1300
011489	N2XS(F)2Y 1X50/16 12/20 kV SW	RMv	8,6	0,387	5,5	239	222	7,15	435	29	2500	662	1350
011490	N2XS(F)2Y 1X70/16 12/20 kV SW	RMv	10,2	0,268	5,5	297	271	10	465	31	3500	854	1600
011317	N2XS(F)2Y 1X95/16 12/20 kV SW	RMv	12	0,193	5,5	361	323	13,6	480	32	4750	1094	1900
011491	N2XS(F)2Y 1X120/16 12/20 kV SW	RMv	13,5	0,153	5,5	416	367	17,2	510	34	6000	1334	2150
011492	N2XS(F)2Y 1X150/25 12/20 kV SW	RMv	15	0,124	5,5	470	409	21,4	525	35	7500	1723	2500
011309	N2XS(F)2Y 1X185/25 12/20 kV SW	RMv	16,8	0,0991	5,5	538	461	26,5	555	37	9250	2059	2900
011493	N2XS(F)2Y 1X240/25 12/20 kV SW	RMv	19,2	0,0754	5,5	634	532	34,3	600	40	12000	2587	3500
011494	N2XS(F)2Y 1X300/25 12/20 kV SW	RMv	21,6	0,0601	5,5	724	599	42,9	630	42	15000	3163	4150
011495	N2XS(F)2Y 1X400/35 12/20 kV SW	RMv	24,6	0,0470	5,5	829	671	57,2	675	45	20000	4234	5100
011496	N2XS(F)2Y 1X500/35 12/20 kV SW	RMv	27,6	0,0366	5,5	953	754	71,5	720	48	25000	5194	6200
012225	N2XS(F)2Y 01X630/35 12/20 kV SW	RMv	32,5	0,0283	5,5	1094	830	90,1	780	52	31500	6442	7365

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 around temperature of 20 °C, a load factor of 0,7 and threefold bunching.

table: technical data N2XS(F)2Y 18/30 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]
011516	N2XS(F)2Y 01X50/16 18/30 kV SW	RMv	8,6	0,387	8	241	225	7,15	510	34	2500	662	1650
011517	N2XS(F)2Y 01X70/16 18/30 kV SW	RMv	10,2	0,268	8	299	274	10	540	36	3500	854	1900
011526	N2XS(F)2Y 01X95/16 18/30 kV SW	RMv	12	0,193	8	363	327	13,6	555	37	4750	1094	2150
011519	N2XS(F)2Y 01X120/16 18/30 kV SW	RMv	13,5	0,153	8	418	371	17,2	585	39	6000	1334	2450
011520	N2XS(F)2Y 01X150/25 18/30 kV SW	RMv	15	0,124	8	472	414	21,4	600	40	7500	1723	2750
011521	N2XS(F)2Y 01X185/25 18/30 kV SW	RMv	16,8	0,0991	8	539	466	26,5	630	42	9250	2059	3150
011972	N2XS(F)2Y 01X185/35 18/30 kV SW	RMv	16,8	0,0991	8	539	466	26,5	630	42	9250	2175	2955
011522	N2XS(F)2Y 01X240/25 18/30 kV SW	RMv	19,2	0,0754	8	635	539	34,3	660	44	12000	2587	3800
012216	N2XS(F)2Y 01X240/70 18/30 kV SW	RMv	19,2	0,0754	8	539	539	34,3	660	44	12000	3084	3786
011523	N2XS(F)2Y 01X300/25 18/30 kV SW	RMv	21,6	0,0601	8	725	606	42,9	705	47	15000	3163	4400
011524	N2XS(F)2Y 01X400/35 18/30 kV SW	RMv	24,6	0,0470	8	831	680	57,2	750	50	20000	4234	5450
011525	N2XS(F)2Y 01X500/35 18/30 kV SW	RMv	27,6	0,0366	8	953	765	71,5	795	53	25000	5194	6550
012226	N2XS(F)2Y 01X630/35 18/30 kV SW	RMv	32,5	0,0283	8	1094	841	90,1	870	58	31500	6442	7803

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 around temperature of 20 °C, a load factor of 0,7 and threefold bunching.