

Medium voltage cable NA2XS(F)2Y acc. to VDE 0276-620

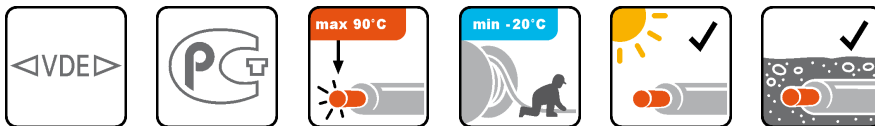


conductor material:	aluminium
conductor construction:	stranded, class 2
insulation:	XLPE DIX8
sheathing material:	polyethylene DMP2
bonded sheath:	yes
flame retardant:	no
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	+70 °C
temperature, moved/during installation:	-20 - +70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

	NA2XS(F)2Y 6/10 kV	NA2XS(F)2Y 12/20 kV	NA2XS(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-A2XHCJ2Y
Russia: АПвЭлП



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 NA2XS(F)2Y 6/10 kV

Art.-Nr.	part-name	DI [mm]	RI [Ω/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bf} [mm]	DA [mm]	F _z [N]	AL	CU	G [kg/km]
011463	NA2XS(F)2Y 01X50/16 06/10 kV SW RMv	8,6	0,641	3,4	183	171	4,7	375	25	1500	145	182	850
011464	NA2XS(F)2Y 01X70/16 06/10 kV SW RMv	10,2	0,443	3,4	228	208	6,58	405	27	2100	203	182	950
011465	NA2XS(F)2Y 01X95/16 06/10 kV SW RMv	12	0,320	3,4	278	248	8,93	420	28	2850	276	182	1100
011466	NA2XS(F)2Y 01X120/16 06/10 kV SW RMv	13,5	0,253	3,4	321	283	11,3	450	30	3600	348	182	1200
011467	NA2XS(F)2Y 01X150/25 06/10 kV SW RMv	15	0,206	3,4	364	315	14,1	465	31	4500	435	283	1400
011468	NA2XS(F)2Y 01X185/25 06/10 kV SW RMv	16,8	0,164	3,4	418	357	17,4	495	33	5550	537	283	1550
011469	NA2XS(F)2Y 01X240/25 06/10 kV SW RMv	19,2	0,125	3,4	494	413	22,6	525	35	7200	696	283	1750
011470	NA2XS(F)2Y 01X300/25 06/10 kV SW RMv	21,6	0,100	3,4	568	466	28,2	555	37	9000	870	283	2050
011471	NA2XS(F)2Y 01X400/35 06/10 kV SW RMv	24,6	0,0778	3,4	660	529	37,6	615	40	12000	1160	394	2450
012925	NA2XS(F)2Y 01X400/50 06/10 kV SW RMv	24,6	0,0778	3,4	660	529	37,6	615	40	12000	1160	560	2200
011472	NA2XS(F)2Y 01X500/35 06/10 kV SW RMv	27,6	0,0605	3,4	767	602	47	660	44	15000	1450	394	2850
012053	NA2XS(F)2Y 01X630/35 06/10 kV SW RMv	32,5	0,0469	3,4	890	675	59,2	660	49	18900	1827	394	2969

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

table: technical data NA2XS(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]	AL	CU	G [kg/km]
011473	NA2XS(F)2Y 01X50/16 12/20 kV SW RMv	8,6	0,641	5,5	185	172	4,7	435	29	1500	145	182	1050
011474	NA2XS(F)2Y 01X70/16 12/20 kV SW RMv	10,2	0,443	5,5	231	210	6,58	465	31	2100	203	182	950
011320	NA2XS(F)2Y 01X95/16 12/20 kV SW RMv	12	0,320	5,5	280	251	8,93	480	32	2850	276	182	1300
011319	NA2XS(F)2Y 01X120/16 12/20 kV SW RMv	13,5	0,253	5,5	323	285	11,3	510	34	3600	348	182	1450
012543	NA2XS(F)2Y 01X150/50 12/20 kV SW RMv	15	0,206	5,5	366	319	14,1	525	36	4500	348	560	1718
012785	NA2XS(F)2Y 01X150/16 12/20 kV SW RMv	15	0,206	5,5	366	319	14,1		36	4500	435	182	1254
011306	NA2XS(F)2Y 01X150/25 12/20 kV SW RMv	15	0,206	5,5	366	319	14,1	525	36	4500	435	283	1650
011307	NA2XS(F)2Y 01X185/25 12/20 kV SW RMv	16,8	0,164	5,5	420	361	17,4	555	37	5550	537	283	1800
011308	NA2XS(F)2Y 01X240/25 12/20 kV SW RMv	19,2	0,125	5,5	496	417	22,6	600	40	7200	696	283	2050
012544	NA2XS(F)2Y 01X240/50 12/20 kV SW RMv	19,2	0,125	5,5	496	417	22,6	600	40	7200	435	560	2237
011475	NA2XS(F)2Y 01X300/25 12/20 kV SW RMv	21,6	0,100	5,5	569	471	28,2	630	42	9000	870	283	2300
011476	NA2XS(F)2Y 01X400/35 12/20 kV SW RMv	24,6	0,0778	5,5	660	535	37,6	675	45	12000	1160	394	2800
011477	NA2XS(F)2Y 01X500/35 12/20 kV SW RMv	27,6	0,0605	5,5	766	609	47	720	48	15000	1450	394	3200
011838	NA2XS(F)2Y 01X630/35 12/20 kV SW RMv	32,5	0,0469	5,5	890	675	59,2		52	18900	1827	394	3268
012258	NA2XS(F)2Y 01X800/35 12/20 kV SW RMv	37,6	0,0221	5,5	1015	750	75,2		60	24000	2320	394	3973

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 NA2XS(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]	AL	CU	G [kg/km]
011534	NA2XS(F)2Y 01X50/16 18/30 kV SW RMv	8,6	0,641	8	187	174	4,7	510	34	1500	145	182	1350
011478	NA2XS(F)2Y 01X70/16 18/30 kV SW RMv	10,2	0,443	8	232	213	6,58	540	36	2100	203	182	1450
011535	NA2XS(F)2Y 01X95/16 18/30 kV SW RMv	12	0,320	8	282	254	8,93	555	37	2850	276	182	1600
012781	A2XS(F)2Y 01X95/25 18/30 kV SW RMv	12	0,320	8	282	254	8,93		37	2850	276	283	1361
011536	NA2XS(F)2Y 01X120/16 18/30 kV SW RMv	13,5	0,253	8	325	289	11,3	585	39	3600	348	182	1750
011537	NA2XS(F)2Y 01X150/25 18/30 kV SW RMv	15	0,206	8	367	322	14,1	600	40	4500	435	283	1950
011538	NA2XS(F)2Y 01X185/25 18/30 kV SW RMv	16,8	0,164	8	421	364	17,4	630	42	5550	537	283	2150
011539	NA2XS(F)2Y 01X240/25 18/30 kV SW RMv	19,2	0,125	8	496	422	22,6	660	44	7200	696	283	2400
012782	A2XS(F)2Y 01X240/50 18/30 kV SW RMv	19,2	0,125	8	496	422	22,6		44	7200	696	560	2217
011540	NA2XS(F)2Y 01X300/25 18/30 kV SW RMv	21,6	0,100	8	568	476	28,6	705	47	9000	870	283	2700
011541	NA2XS(F)2Y 01X400/35 18/30 kV SW RMv	24,6	0,0778	8	659	541	37,6	750	50	12000	1160	394	3200
012783	A2XS(F)2Y 01X400/50 18/30 kV SW RMv	24,6	0,0778	8	659	541	37,6		50	12000	1160	560	2796
011542	NA2XS(F)2Y 01X500/35 18/30 kV SW RMv	27,6	0,0605	8	764	616	47	795	53	15000	1450	394	3650
012223	NA2XS(F)2Y 01X630/35 18/30 kV SW RMv	32,5	0,0469	8	890	675	59,2		60	18900	1827	394	3738

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.