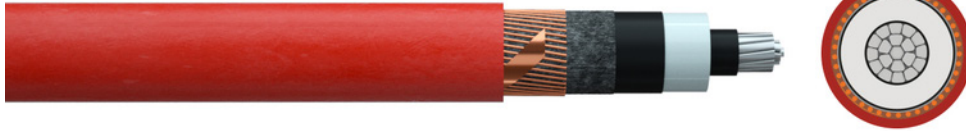


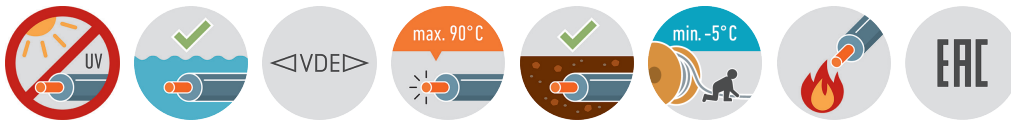
Medium voltage cable NA2XSJ



Application: For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Construction and technical data:

Standard:	VDE 0276-620
Conductor material:	aluminium
Conductor construction:	Class 2 = stranded
Insulation:	XLPE DIX8
Electrical field control:	inner and outer semiconducting layer (triple extrusion)
Screen:	Copper wires + counter helix
Sheathing material:	PVC DMV6
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	15 x Ø
Partial discharge:	2 pC



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.

NA2XSY 6/10 kV

Nominal voltage U_o:	6 kV
Nominal voltage U:	10 kV
Maximum permitted operating voltage in three-phase systems:	12 kV
Test voltage:	21 kV

part no.	part name		DI [mm]	RI [Ohm/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	Cu	G [kg]
011392	1X50/16	RMv	8.6	0.641	3.4	183	171	4.7	2.1	375	25	1500	145	182	728
011393	1X70/16	RMv	10.2	0.443	3.4	228	208	6.58	2.1	405	27	2100	203	182	823
012614	1X70/35	RMv	10.2	0.443	3.4	228	208	6.58	2.1	405	27	2100	203	283	1395
011394	1X95/16	RMv	12	0.32	3.4	278	248	8.93	2.1	420	28	2850	276	182	923
011395	1X120/16	RMv	13.5	0.253	3.4	321	283	11.3	2.1	450	30	3600	348	182	1100
012615	1X120/50	RMv	13.5	0.253	3.4	321	283	11.3	2.1	450	30	3600	348	560	1659
011396	1X150/16	RMv	15	0.206	3.4	364	315	14.1	2.1	465	31	4500	435	182	1250
011397	1X150/25	RMv	15	0.206	3.4	364	315	14.1	2.1	465	31	4500	435	283	1210
011398	1X185/16	RMv	16.8	0.164	3.4	418	357	17.4	2.1	495	33	5550	537	182	1400
011399	1X185/25	RMv	16.8	0.164	3.4	418	357	17.4	2.1	495	33	5550	537	283	1450
011400	1X240/16	RMv	19.2	0.125	3.4	494	413	22.6	2.1	525	35	7200	696	182	1600
011401	1X240/25	RMv	19.2	0.125	3.4	494	413	22.6	2.1	525	35	7200	696	283	1578
011402	1X300/25	RMv	21.6	0.1	3.4	568	466	28.2	2.1	555	37	9000	870	283	1823
011403	1X400/35	RMv	24.6	0.0778	3.4	660	535	37.6	2.1	615	41	12000	1160	394	2228
011404	1X500/35	RMv	27.6	0.0605	3.4	767	602	47	2.1	660	44	15000	1450	394	2700
014005	1X630/35	RMv	32.5	0.0469	3.4	890	675	59.2	2.1	660	44	18900	1827	394	2996

NA2XSY 12/20 kV

Nominal voltage U_o:	12 kV
Nominal voltage U:	20 kV
Maximum permitted operating voltage in three-phase systems:	24 kV
Test voltage:	42 kV

part no.	part name		DI [mm]	RI [Ohm/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	Cu	G [kg]
011405	1X50/16	RMv	8.6	0.641	5.5	185	172	4.7	2.1	435	29	1500	145	182	970
011406	1X70/16	RMv	10.2	0.443	5.5	231	210	6.58	2.1	465	31	2100	203	182	1048
011407	1X95/16	RMv	12	0.32	5.5	280	251	8.93	2.1	480	32	2850	276	182	1130
011408	1X120/16	RMv	13.5	0.253	5.5	323	285	11.3	2.1	510	34	3600	348	182	1350
013031	1X120/25	RMv	13.5	0.253	5.5	323	285	11.3	2.1	516	34.4	3600	348	283	1320
011409	1X150/16	RMv	15	0.206	5.5	366	319	14.1	2.1	525	35	4500	435	182	1450
011410	1X150/25	RMv	15	0.206	5.5	366	319	14.1	2.1	525	35	4500	435	283	1500
011411	1X185/16	RMv	16.8	0.164	5.5	420	361	17.4	2.1	555	37	5550	537	182	1650
011412	1X185/25	RMv	16.8	0.164	5.5	420	361	17.4	2.1	555	37	5550	537	283	1700
011413	1X240/16	RMv	19.2	0.125	5.5	496	417	22.6	2.1	600	40	7200	696	182	1850
011414	1X240/25	RMv	19.2	0.125	5.5	496	417	22.6	2.1	600	40	7200	696	283	1900
011415	1X300/25	RMv	21.6	0.1	5.5	569	471	28.2	2.1	630	42	9000	870	283	2200
012922	1X300/50	RMv	21.6	0.1	5.5	569	471	28.2	2.1	630	42	9000	870	560	2200
011416	1X400/35	RMv	24.6	0.0778	5.5	659	541	37.6	2.1	675	45	12000	1160	394	2560
012923	1X400/50	RMv	24.6	0.0778	5.5	659	541	37.6	2.1	675	45	12000	1160	560	2200
011417	1X500/35	RMv	27.6	0.0605	5.5	766	609	47	2.1	720	48	15000	1450	394	2943
014006	1X630/35	RMv	32.5	0.0469	5.5	890	675	59.2	2.1	780	52	18900	1827	394	3299
013532	1X800/35	RMv	37.6	0.0367	5.5	1010	745	75.2	2.4	855	57	24000	2320	394	4060

NA2XSY 18/30 kV

Nominal voltage U_o: 18 kV

Nominal voltage U: 30 kV

Maximum permitted operating voltage in 36 kV

three-phase systems:

Test voltage: 63 kV

part no.	part name		DI [mm]	RI [Ohm/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	Cu	G [kg]
011418	1X50/16	RMv	8.6	0.641	8	187	174	4.7	2.1	510	34	1500	145	182	1133
011419	1X70/16	RMv	10.2	0.443	8	232	213	6.58	2.1	540	36	2100	203	182	1252
012965	1X70/25	RMv	10.2	0.443	8	232	213	6.58	2.1	555	37	2100	203	283	1250
011420	1X95/16	RMv	12	0.32	8	282	254	8.93	2.1	555	37	2850	276	182	1371
011421	1X120/16	RMv	13.5	0.253	8	325	289	11.3	2.1	585	39	3600	348	182	1600
011422	1X150/16	RMv	15	0.206	8	367	322	14.1	2.1	600	40	4500	435	182	1750
011423	1X150/25	RMv	15	0.206	8	367	322	14.1	2.1	600	40	4500	435	283	1850
011424	1X185/16	RMv	16.8	0.164	8	421	364	17.4	2.1	630	42	5550	537	182	1950
011425	1X185/25	RMv	16.8	0.164	8	421	364	17.4	2.1	630	42	5550	537	283	2000
011426	1X240/16	RMv	19.2	0.125	8	496	422	22.6	2.1	660	44	7200	696	182	2200
011427	1X240/25	RMv	19.2	0.125	8	496	422	22.6	2.1	660	44	7200	696	283	2250
011428	1X300/25	RMv	21.6	0.1	8	568	476	28.2	2.1	705	47	9000	870	283	2550
011429	1X400/35	RMv	24.6	0.0778	8	660	529	37.6	2.1	750	50	12000	1160	394	3000
011430	1X500/35	RMv	27.6	0.0605	8	764	616	47	2.1	795	53	15000	1450	394	3306
013137	1X630/35	RMv	32.5	0.0469	8	890	675	59.2	2.1	860	57.3	18900	1827	394	3607
014099	1X1000/35	RMv	38.5	0.0291	8	1135	820	94.5	2.4	990	66		2900	394	5200

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
I _{bl}	Ampacity in air (30 °C)
I _{be}	Ampacity in ground (20 °C)
I _k	Short-circuit current (1 s)
W _m	Wall thickness of sheath
R _{bv}	Bending radius, fixed installation
Ø	outer diameter approx.
F _{zv}	Tensile strength (during installation)
Al	Aluminium weight (GER)
Cu	Copper weight (GER)
G	net weight per 1000