

Power cable NA2X2Y

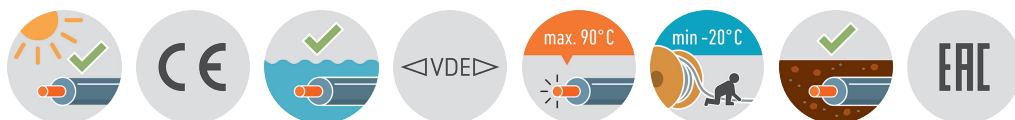


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Application: For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Construction and technical data:

Standard:	VDE 0276-603
Conductor material:	aluminium
Conductor construction:	Class 2 = stranded
Insulation:	XLPE
Sheathing material:	polyethylene
Colour of outer sheath:	black
Flame-retardant:	none
UV-resistant:	yes
For outdoor use:	yes
Maximum temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-20 - +70 °C
Bending radius, fixed installation:	15 x Ø
Meter mark:	yes



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.

NA2X2Y-O

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1.2 kV
Test voltage:	4 kV
Protective conductor:	no

part no.	part name		RI [Ohm/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	W _m [mm]	Ø [mm]	F _{zv} [N]	AI [kg/km]	G [kg/km]
090435	NA2X2Y-O 01X120	RMv	0.253	1.2	295	272	11.28	1.8	20	3600	348	470
090436	NA2X2Y-O 01X150	RMv	0.206	1.4	339	305	14.1	1.8	22	4500	435	560
090437	NA2X2Y-O 01X185	RMv	0.164	1.6	395	347	17.39	1.8	23.5	5550	536,5	690
090442	NA2X2Y-O 01X240	RMv	0.125	1.7	472	404	22.56	1.8	26	7200	696	863
090139	NA2X2Y-O 01X300	RMv	0.1	1.8	547	457	28.2	1.8	27.4	9000	870	1048
090140	NA2X2Y-O 01X500	RMv	0.0605	2.2	754	601	47	2	34.3	15000	1450	1688
090486	NA2X2Y-O 01X630 RM 0,6/1 kV SW	RMv	0.0469	1.4	882	687	59.22	2.4	40	18900	1827	2168
090141	NA2X2Y-O 01X800	RMv	0.0367	2.5	1019	776	75.2	2.2	58	24000	2320	2676

NA2X2Y-J

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1.2 kV
Test voltage:	4 kV
Protective conductor:	yes
Core identification:	colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	Wi [mm]	I _{bl} [A]	I _{be} [A]	I _k [kA]	L _b [mH/km]	W _m [mm]	Ø [mm]	F _{zv} [N]	AI [kg/km]	G [kg/km]
090485	NA2X2Y-J 01X630 RM 0,6/1 kV SW	RMv	0.0469	1.4			59.22		2.4	40	18900	1827	2168
090252	NA2X2Y-J 04X16 RE 0,6/1 kV SW	RE	1.91	0.8	78	86	1.5		1.8	19.5	1920	186	418
090253	NA2X2Y-J 04X25 RE 0,6/1 kV SW	RE	1.2	0.9	102	112	2.35		1.8	25.5	3000	290	715
090254	NA2X2Y-J 04X35 RE 0,6/1 kV SW	RE	0.869	0.9	126	135	3.29		1.8	26	4200	406	775
090255	NA2X2Y-J 04X50 SE 0,6/1 kV SW	SE	0.641	1	149	158	4.7		1.9	27	6000	580	835
090256	NA2X2Y-J 04X70 SE 0,6/1 kV SW	SE	0.443	1	191	196	6.58		2	30.5	8400	812	1125
090257	NA2X2Y-J 04X95 SE 0,6/1 kV SW	SE	0.32	1.1	234	234	8.93		2.1	34	11400	1102	1480
090258	NA2X2Y-J 04X120 SE 0,6/1 kV SW	SE	0.253	1.2	273	268	11.28		2.3	37.5	14400	1392	1830
090259	NA2X2Y-J 04X150 SE 0,6/1 kV SW	SE	0.206	1.4	311	300	14.1		2.4	41.5	18001	1740	2220

part no.	part name		RI [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Lb [mH/km]	Wm [mm]	Ø [mm]	Fzv [N]	Al [kg/km]	G [kg/km]
090260	NA2X2Y-J 04X185 SE 0,6/1 kV SW	SE	0.164	1.6	360	342	17.4		2.6	46	22200	2146	2780
090121	NA2X2Y-J 04X240	SE	0.125	1.7	427	398	22.6		2.8	52	28800	2784	3835
090122	NA2X2Y-J 04X240	SMv	0.125	1.7	427	398	22.6	0.246	2.8	58	28800	2784	4080

RI	Conductor resistance
Wi	Insulation wall thickness
Ibl	Ampacity in air (30 °C)
Ibe	Ampacity in ground (20 °C)
Ik	Short-circuit current (1 s)
Lb	Specific inductivity
Wm	Wall thickness of sheath
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Al	Aluminium weight (GER)
G	net weight