

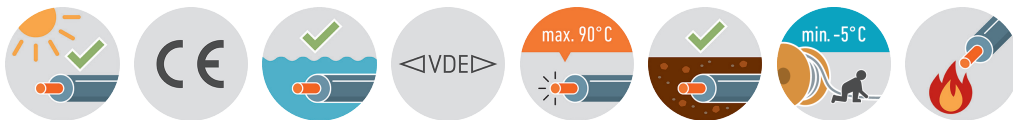
Power cable NA2XY



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

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Standard:	VDE 0276-603
Conductor material:	aluminium
Insulation:	XLPE DIX3
Sheathing material:	PVC DMV6
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	90 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation, multicore:	12 x Ø
Bending radius, fixed installation, singlecore:	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.

NA2XY-J

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1.2 kV
Nominal voltage DC (core-earth/core-core):	1,8/1,8 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]	l _{bl} [A]	l _{be} [A]	l _k [kA]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	AI	G [kg]
090102	3X150/70	SMv	0.206	1.4	311	300	14.1	2.4	499	41.6	15600	1508	2212
090104	3X240/120	SMv	0.125	1.7	427	398	22.6	2.8	696	58	25200	2436	3490
090270	3X16	RE	1.91	0.7			1.5	1.8	216	18	1440	139	405
090261	4X16	RE	1.91	0.7			1.5	1.8	234	19.5	1920	186	470
090262	4X25	RE	1.2	0.9	102	112	1.9	1.8	276	23	3000	290	715
090263	4X35	RE	0.868	0.9	126	135	3.29	1.8	306	25.5	4200	406	835
090160	4X50	SE	0.641	1	149	158	4.7	1.9	324	27	6000	580	930
090264	4X70	SE	0.443	1.1	191	196	6.58	2	366	30.5	8400	812	1245
090161	4X95	SE	0.32	1.1	234	234	8.93	2.1	408	34	11400	1102	1620
090267	4X120	SE	0.253	1.2	273	268	11.28	2.3	456	38	14400	1392	1990
090265	4X150	SE	0.206	1.4	311	300	14.1	2.4	504	42	18002	1740	2450
090266	4X185	SE	0.164	1.6	360	342	17.3	2.6	552	46	22200	2146	3000
090163	4X240	SE	0.125	1.7	427	398	22.5	2.8	624	52	28800	2784	3860
090305	4X300 (with ref. to)	SMv	0.1	1.8	507	457	28.2	1.8	756	63	3600	3480	4990

NA2XY-O

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1.2 kV
Nominal voltage DC (core-earth/core-core):	1,8/1,8 kV
Test voltage:	4 kV
Protective conductor:	no
Core identification:	colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	Wi [mm]	l _{bl} [A]	l _{be} [A]	l _k [kA]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	AI	G [kg]
090238	1X16	RE	1.91	0.7			1.5	1.8		9.5	480	46.4	120
090271	1X25	RE	1.2	0.9	106	114	2.5	1.8		11.5	750	73	175
090349	1X70	RMv	0.443	1.1	203	199	6.58	1.8		16.5	2100	203	355
090370	1X95	RMv	0.32	1.1	252	238	8.93	1.8		18	2850	275	440
090283	1X120	RMv	0.253	1.2	295	272	11.2	1.8		20	3600	348	535
090331	1X150	RMv	0.206	1.4	339	305	14.1	1.8		21.5	4500	435	640
090350	1X185	RMv	0.164	1.6	395	347	17.3	1.8		24	5550	536	776
090146	1X240	RMv	0.125	1.7	472	404	22.5	1.8		25.5	7200	696	969
090057	1X300	RMv	0.1	1.8	547	457	28.2	1.8		29.1	9000	870	1379
090133	1X400	RMv	0.0778	2	643	525	37.6	1.9		32	12000	1160	1466
090124	1X500	RMv	0.0605	2.2	754	601	47	2		36	15000	1450	1850
090242	1X630	RMv	0.0469		882	687	59.2			40	18900	1827	2350
090336	3X240/120	SMv	0.125	1.7	427	398	22.5	2.8	696	58	21600	2436	3770

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)
Wm	Wall thickness of sheath
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Al	Aluminium weight (GER)
G	net weight per 1000