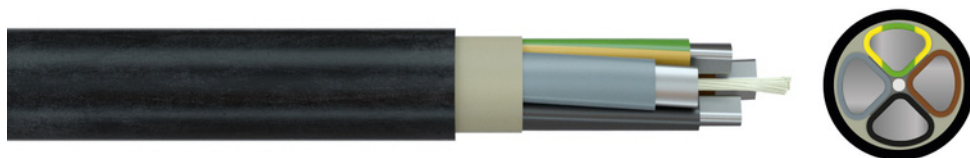


Power cable NA2X2Y



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
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-20 - +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.

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]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	G [kg]
090435	01X120	RMv	0.253	1.2	295	272	11.28	1.8	300	20	3600	348	470
090436	01X150	RMv	0.206	1.4	339	305	14.1	1.8	330	22	4500	435	560
090437	01X185	RMv	0.164	1.6	395	347	17.39	1.8	353	23.5	5550	536.5	690
090442	01X240	RMv	0.125	1.7	472	404	22.56	1.8	390	26	7200	696	863
090139	01X300	RMv	0.1	1.8	547	457	28.2	1.8	411	27.4	9000	870	1048
090140	01X500	RMv	0.0605	2.2	754	601	47	2	515	34.3	15000	1450	1688
090141	01X800	RMv	0.0367	2.5	1019	776	75.2	2.2	870	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]	W _m [mm]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	G [kg]
090252	04X16	RE	1.91	0.8	78	86	1.5	1.8	234	19.5	1920	186	418
090253	04X25	RE	1.2	0.9	102	112	2.35	1.8	306	25.5	3000	290	715
090254	04X35	RE	0.868	0.9	126	135	3.29	1.8	312	26	4200	406	775
090255	04X50	SE	0.641	1	149	158	4.7	1.9	324	27	6000	580	835
090256	04X70	SE	0.443	1	191	196	6.58	2	366	30.5	8400	812	1125
090257	04X95	SE	0.32	1.1	234	234	8.93	2.1	408	34	11400	1102	1480
090258	04X120	SE	0.253	1.2	273	268	11.28	2.3	450	37.5	14400	1392	1830
090259	04X150	SE	0.206	1.4	311	300	14.1	2.4	498	41.5	18001	1740	2220
090260	04X185	SE	0.164	1.6	360	342	17.4	2.6	552	46	22200	2146	2780
090121	04X240	SE	0.125	1.7	427	398	22.6	2.8	624	52	28800	2784	3835
090122	04X240	SMv	0.125	1.7	427	398	22.6	2.8	696	58	28800	2784	4080

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)
G	net weight per 1000