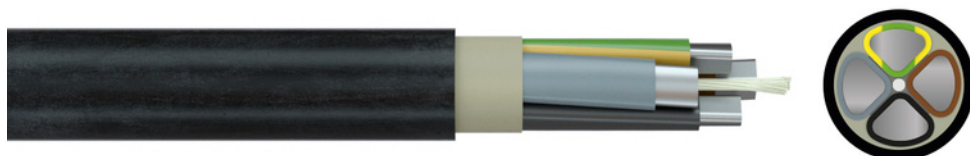


Power cable NAY2Y



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
Insulation:	PVC
Sheathing material:	polyethylene DMP2
Colour of outer sheath:	black
Flame-retardant:	none
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	70 °C
Permitted outer cable temperature, moved, °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.

NAY2Y-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]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	G [kg]
090145	1X120	RMv	0.253	239	253	9.12	333	22.2	3600	348	685
090056	3X240/120	SMv	0.125	338	364	18.2	674	56.2	21600	2436	4050
090243	4X35	RE	0.868	100	123	2.66	336	28	4200	406	1020
090213	4X50 (with ref. to)	SE	0.641	119	144	3.8	348	29	6000	580	1040
090244	4X70	SE	0.443	159	179	5.32	384	32	8400	812	1330
090245	4X95	SE	0.32	186	215	7.22	444	37	11400	1102	1785
090246	4X120	SE	0.253	216	245	9.12	480	40	14400	1392	2140
090214	4X150	SE	0.206	246	275	11.4	528	44	18000	1740	2635
090247	4X185	SE	0.164	285	313	14.1	582	48.5	22200	2146	3210
090248	4X240	SE	0.125	338	364	18.2	654	54.5	28800	2784	4085
090118	4X150	SMv	0.206	246	275	11.4	528	44	18000	1740	2635

NAY2Y-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
Core identification:	colours acc. to VDE 0293 (HD308)

part no.	part name		RI [Ohm/km]	I _{bl} [A]	I _{be} [A]	I _k [kA]	R _{bv} [mm]	Ø [mm]	F _{zv} [N]	Al	G [kg]
090054	1X120	RMv	0.253	239	253	9.12	333	22.2	3600	348	685
090142	4X150	SE	0.206	246	275	11.4	584	48.7	18000	1740	2950

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _{be}	Ampacity in ground (20 °C)
I _k	Short-circuit current (1 s)
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