

# Power cable NYY-JZ/-OZ



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

## Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	VDE 0276-627
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 1 = solid
<b>Insulation:</b>	PVC DIV 4
<b>Sheathing material:</b>	PVC DMV5
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-5 - +70 °C
<b>Meter mark:</b>	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.*

**NYJ-JZ****Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Maximum permitted operating voltage in** 1.2 kV**three-phase systems:****Test voltage:** 4 kV**Protective conductor:** yes**Core identification:** green-yellow + numbers

part no.	part name		RI [Ohm/km]	l <sub>bl</sub> [A]	l <sub>be</sub> [A]	l <sub>k</sub> [kA]	R <sub>bv</sub> [mm]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
010052	07X1.5	RE	12.1	19	27	0.17	192	16	525	101	300
012003	08X1.5	RE	12.1	19	27	0.17	170.4	14.2	600	115	334
010055	10X1.5	RE	12.1	19	27	0.17	228	19	750	144	360
010057	12X1.5	RE	12.1	19	27	0.17	228	19	900	173	400
010059	14X1.5	RE	12.1	19	27	0.17	240	20	1050	202	450
010061	16X1.5	RE	12.1	19	27	0.17	252	21	1200	230	500
010063	19X1.5	RE	12.1	19	27	0.17	264	22	1425	274	560
010065	21X1.5	RE	12.1	19	27	0.17	276	23	1575	302	620
010067	24X1.5	RE	12.1	19	27	0.17	300	25	1800	346	700
010069	30X1.5	RE	12.1	19	27	0.17	312	26	2250	432	810
011511	31X1.5	RE	12.1	19	27	0.17	324	27	2325	446	834
010071	40X1.5	RE	12.1	19	27	0.17	348	29	3000	576	1050
010073	52X1.5	RE	12.1	19	27	0.17	384	32	3900	749	1400
010075	61X1.5	RE	12.1	19	27	0.17	408	34	4575	878	1650
010053	07X2.5	RE	7.41	25	36	0.29	204	17	875	168	420
010056	10X2.5	RE	7.41	25	36	0.29	240	20	1250	240	500
010058	12X2.5	RE	7.41	25	36	0.29	252	21	1500	288	560
010060	14X2.5	RE	7.41	25	36	0.29	252	21	1750	336	630
010062	16X2.5	RE	7.41	25	36	0.29	264	22	2000	384	710
010064	19X2.5	RE	7.41	25	36	0.29	276	23	2375	456	830
010066	21X2.5	RE	7.41	25	36	0.29	300	25	2625	504	910
010068	24X2.5	RE	7.41	25	36	0.29	324	27	3000	576	1050
010070	30X2.5	RE	7.41	25	36	0.29	336	28	3750	720	1250
010072	40X2.5	RE	7.41	25	36	0.29	372	31	5000	960	1650
010074	52X2.5	RE	7.41	25	36	0.29	420	35	6500	1248	2150
010054	07X4	RE	4.61	34	47	0.46	228	19	1400	269	630
011216	10X4	RE	4.61	34	47	0.46	276	23	2000	384	930
013799	12X4	RE	4.61	34	47	0.46		24.1	2400	461	1100
011530	14X4	RE	4.61	34	47	0.46	300	25	2800	538	1000
013028	18X4	RE	3.08	34	47	0.46		25.7		691,2	1181
011759	19X4	RE	4.61	34	47	0.46	336	28	3800	730	1354
012256	24X4 (with reference to)	RE	4.61	34	47	0.46	360	30		922	1636
010918	07X6 (with reference to)	RE	3.08	43	59	0.69	252	21	2100	403	840
012197	14X6 (with reference to)	RE	3.08	43	59	0.69	311	25.9	4200	806	1354
010930	07X10 (with reference to)	RE	1.83	59	79	1.15	276	23	3500	672	1150
012060	07X25 (with reference to)	RM	0.727	106	133	2.87	370.8	30.9	8750	1680	2403
012061	07X35 (with reference to)	RM	0.524	129	159	4.02	416.4	34.7	12250	2352	3191
012062	07X50 (with reference to)	RM	0.387	157	188	5.75	482.4	40.2	17500	3360	4287

**NYY-OZ****Nominal voltage U<sub>o</sub>:** 0.6 kV**Nominal voltage U:** 1 kV**Maximum permitted operating voltage in** 1.2 kV**three-phase systems:****Test voltage:** 4 kV**Protective conductor:** no**Core identification:** numbers

part no.	part name		RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>be</sub> [A]	I <sub>k</sub> [kA]	R <sub>bv</sub> [mm]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
011861	05X1.5	RE	12.1	19	27	0.17	158.4	13.2	375	72	270
010490	07X1.5	RE	12.1	19	27	0.17	192	16	525	101	300
012089	08X1.5	RE	12.1	19	27	0.17	170	14.2	600	115	334
012090	10X1.5	RE	12.1	19	27	0.17	228	19	750	144	360
011034	12X1.5	RE	12.1	19	27	0.17	228	19	900	173	400
012091	14X1.5	RE	12.1	19	27	0.17	240	20	1050	202	450
011862	16X1.5	RE	12.1	19	27	0.17	252	21	1200	230	500
012092	19X1.5	RE	12.1	19	27	0.17	264	22	1425	274	560
012093	21X1.5	RE	12.1	19	27	0.17	276	23	1575	302	620
011863	24X1.5	RE	12.1	19	27	0.17	300	25	1800	346	700
011035	30X1.5	RE	12.1	19	27	0.17	312	26	2250	432	810
012094	40X1.5	RE	12.1	19	27	0.17	348	29	3000	576	1050
012095	05X2.5	RE	7.41	25	36	0.29	170.4	14.2	625	120	350
011687	07X2.5	RE	7.41	25	36	0.29	204	17	875	168	420
012096	08X2.5	RE	7.41	25	36	0.29	209	17.4	1000	192	480
011778	10X2.5	RE	7.41	25	36	0.29	240	20	1250	240	500
012097	12X2.5	RE	7.41	25	36	0.29	252	21	1500	288	560
011779	14X2.5	RE	7.41	25	36	0.29	252	21	1750	336	630
012098	16X2.5	RE	7.41	25	36	0.29	264	22	2000	384	710
012099	19X2.5	RE	7.41	25	36	0.29	276	23	2375	456	830
012100	21X2.5	RE	7.41	25	36	0.29	300	25	2625	504	910
011780	24X2.5	RE	7.41	25	36	0.29	324	27	3000	576	1050
012101	30X2.5	RE	7.41	25	36	0.29	336	28	3750	720	1250
014534	40X2.5	RE	7.41	25	36	0.29		32	5000	960	1650
011688	07X4	RE	4.61	34	47	0.46	228	19	1400	269	630
012103	10X4	RE	4.61	34	47	0.46	281	23.4	2000	384	930
014531	12X4	RE						22		461	885
012104	14X4	RE	4.61	34	47	0.46	300	25	2800	538	1000
012105	19X4	RE	4.61	34	47	0.46	333	27.7	3800	730	1354
014532	24X4 (with reference to)	RE	4.61	34	47	0.46		30	4800	921,6	1590
014533	40X4 (with reference to)	RE	4.61	34	47	0.46		40		1536	2550

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>be</sub>	Ampacity in ground (20 °C)
I <sub>k</sub>	Short-circuit current (1 s)
R <sub>bv</sub>	Bending radius, fixed installation
Ø	outer diameter approx.
F <sub>zv</sub>	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000