

NYY-J/-O

Power cables 0,6/1 kV, VDE approved



Cable structure

- Bare or stranded copper conductor according to DIN VDE 0295 cl. 1 or 2, IEC 60228 and HD 383
- Core insulation of thermoplastic PVC
- Cores stranded concentrically, color coded cores according to DIN VDE 0293-308
- Sheath of thermoplastic PVC, color black
- Self-extinguishing and flame retardant, according to DIN VDE 0482-332-1-2/IEC 60332-1-2

Technical data

- Power and control cable according to DIN VDE 0276 part 603, HD 603.S1 and IEC 60502
- **Temperature at conductor** max. +70 °C
- **Temperature range** during installation from -5 °C to +50 °C after installation max. +70 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage a.c.** 4000 V
- **Minimum bending radius**
 - single-core approx. 15× cable diameter
 - multi-core approx. 12× cable diameter

Application

Power cables for energy supply can be installed in open air, underground, in water as well as in cable ducts, power stations, for industry and distribution boards or subscriber networks, where mechanical damages to the cable are not expected.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC. Conforms to RoHS.
re = solid, round core; rm = stranded, round core; sm = stranded, sectional core

Part No. NY Y-J	Part No. NY Y-O	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0932001	0932089	1×4 re	9,0	38	115
0932002	0932090	1×6 re	9,5	58	135
0932003	0932091	1×10 re	10,0	96	179
0932004	0932092	1×16 re	11,0	154	245
0932005	0932093	1×25 rm	12,0	240	360
0932006	0932094	1×35 rm	13,0	336	470
0932007	0932095	1×50 rm	15,0	480	620
0932008	0932096	1×70 rm	16,5	672	810
0932009	0932097	1×95 rm	19,0	912	1110
0932010	0932098	1×120 rm	20,5	1152	1360
0932011	0932099	1×150 rm	22,5	1440	1670
0932012	0932100	1×185 rm	25,0	1776	2050
0932013	0932101	1×240 rm	28,0	2304	2630
0932014	0932102	1×300 rm	30,0	2880	3200
0932015	0932103	1×400 rm	34,0	3840	4150
0932556	0932558	1×500 rm	38,0	4800	5200
0932557	0932559	1×630 rm	43,0	6048	6650
0932016	0932104	2×1,5 re	11,0	29	175
0932017	0932105	2×2,5 re	12,0	48	215
0932018	0932106	2×4 re	14,0	77	295
0932019	0932107	2×6 re	15,0	115	370
0932020	0932108	2×10 re	16,5	192	495
0932021	0932109	2×16 re	18,5	307	670
0932022	0932110	2×25 rm	23,5	480	960
0932023	0932111	3×1,5 re	11,5	43	195
0932024	0932112	3×2,5 re	12,5	72	250
0932025	0932113	3×4 re	14,0	115	340
0932026	0932114	3×6 re	15,0	173	430
0932027	0932115	3×10 re	17,0	288	590
0932028	0932116	3×16 re	19,0	461	820
0932029	0932117	3×25 sm	24,0	720	1320
0932030	0932118	3×35 sm	25,0	1008	1450
0932031	0932119	3×50 sm	26,5	1440	1850
0932032	0932120	3×70 sm	30,0	2016	2450
0932033	0932121	3×95 sm	34,5	2736	3300
0932034	0932122	3×120 sm	37,0	3456	4100
0932293	0932296	3×150 sm	40,0	4320	4900
0932294	0932297	3×185 sm	46,0	5328	6500

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0932295	0932298	3×240 sm	51,0	6912	8300
0932035	0932123	3×25/16 rm/re	24,5	874	1530
0932036	0932124	3×35/16 sm/re	26,0	1162	1750
0932037	0932125	3×50/25 sm/rm	29,0	1680	2350
0932038	0932126	3×70/35 sm/rm	32,0	2352	2850
0932039	0932127	3×95/50 sm	38,0	3216	3850
0932040	0932128	3×120/70 sm	41,0	4128	4780
0932041	0932129	3×150/70 sm	46,0	4992	5800
0932042	0932130	3×185/95 sm	51,0	6240	7600
0932043	0932131	3×240/120 sm	58,0	8064	9800
0932044	0932132	4×1,5 re	12,0	58	230
0932045	0932133	4×2,5 re	13,5	96	300
0932046	0932134	4×4 re	15,0	154	410
0932047	0932135	4×6 re	16,5	230	520
0932048	0932136	4×10 re	18,5	384	730
0932049	0932137	4×16 re	21,5	614	1045
0932050	0932138	4×25 rm	26,0	960	1640
0932051	0932139	4×35 sm	27,5	1344	1760
0932052	0932140	4×50 sm	30,0	1920	2350
0932053	0932141	4×70 sm	34,0	2688	3100
0932054	0932142	4×95 sm	39,0	3648	4250
0932055	0932143	4×120 sm	42,5	4608	5300
0932056	0932144	4×150 sm	47,5	5760	6400
0932057	0932145	4×185 sm	52,0	7104	8500
0932058	0932146	4×240 sm	58,0	9216	11000
0932059	0932147	5×1,5 re	13,0	72	270
0932060	0932148	5×2,5 re	14,5	120	360
0932061	0932149	5×4 re	16,5	192	490
0932062	0932150	5×6 re	18,0	288	600
0932063	0932151	5×10 re	20,0	480	890
0932064	0932152	5×16 re	22,5	768	1255
0932065	5×25 rm	28,0	1200	1960	
0932300	5×35 rm	34,0	1680	2400	
0932257	5×50 rm	40,0	2400	3500	
09322571	5×70 rm	43,0	3360	4450	
09322572	5×95 rm	50,0	4560	6134	
09322573	5×120 rm	52,0	5760	7483	

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0932066	0932153	7×1,5	re 15,5	101	310
0932067	0932154	10×1,5	re 18,0	144	380
0932068	0932155	12×1,5	re 19,0	173	420
0932069	0932156	14×1,5	re 20,0	202	470
0932070	0932157	16×1,5	re 21,0	230	520
0932071	0932158	19×1,5	re 22,0	274	570
0932072	0932159	21×1,5	re 23,0	302	650
0932073	0932160	24×1,5	re 25,0	346	750
0932074	0932161	30×1,5	re 26,0	432	860
0932075	0932162	40×1,5	re 29,0	576	1070
0932176		61×1,5	re 34,0	878	1680
0932076		7×2,5	re 16,5	168	450

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0932077		10×2,5	re 19,5	240	520
0932078		12×2,5	re 20,5	288	600
0932079		14×2,5	re 21,0	336	680
0932080		16×2,5	re 22,0	384	750
0932081		19×2,5	re 23,0	456	850
0932082		21×2,5	re 24,5	504	980
0932083		24×2,5	re 27,0	576	1100
0932084		30×2,5	re 28,0	720	1280
0932085		40×2,5	re 31,5	960	1700
0932169		52×2,5	re 35,0	1248	2150
0932086		7×4	re 18,5	269	640
0932087	0932174	7×6	re 20,0	403	850
0932088	0932175	7×10	re 23,5	672	1200